

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052023.D
 Acq On : 26 Oct 2018 13:00
 Operator : MD\SY
 Sample : VN1026WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Quant Time: Oct 26 23:21:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1211689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1750478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1605772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	777363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	524431	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.59	113	563198	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2036415	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	643835	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	234776	30.533	ug/l	99
3) Chloromethane	2.06	50	160129	23.129	ug/l	99
4) Vinyl Chloride	2.19	62	195036	21.017	ug/l	99
5) Bromomethane	2.57	94	188315	21.194	ug/l	99
6) Chloroethane	2.71	64	137154	19.907	ug/l	99
7) Trichlorofluoromethane	3.02	101	349351	21.127	ug/l	96
8) Diethyl Ether	3.41	74	96905	19.711	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	206622	20.859	ug/l	96
10) Methyl Iodide	3.96	142	321535	21.940	ug/l	98
11) Tert butyl alcohol	4.78	59	39767	71.205	ug/l	98
12) 1,1-Dichloroethene	3.74	96	187699	21.159	ug/l	97
13) Acrolein	3.61	56	26038	106.194	ug/l	96
14) Allyl chloride	4.33	41	183286	19.526	ug/l	97
15) Acrylonitrile	4.99	53	226916	96.249	ug/l	99
16) Acetone	3.82	43	162856	91.596	ug/l	99
17) Carbon Disulfide	4.06	76	434385	20.600	ug/l	100
18) Methyl Acetate	4.33	43	94431	15.916	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	474874	19.939	ug/l	95
20) Methylene Chloride	4.55	84	207104	19.856	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	209850	20.888	ug/l	95
22) Diisopropyl ether	5.95	45	436298	20.315	ug/l	99
23) Vinyl Acetate	5.90	43	1494446	102.293	ug/l	100
24) 1,1-Dichloroethane	5.85	63	319459	20.375	ug/l	98
25) 2-Butanone	6.84	43	241486	95.272	ug/l	99
26) 2,2-Dichloropropane	6.83	77	283720	19.778	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	241348	20.564	ug/l	98
28) Bromochloromethane	7.19	49	127111	20.115	ug/l	94
29) Tetrahydrofuran	7.21	42	155030	90.274	ug/l	98
30) Chloroform	7.37	83	386003	20.162	ug/l	99
31) Cyclohexane	7.66	56	276429	20.402	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	354215	20.233	ug/l	99
36) 1,1-Dichloropropene	7.80	75	270566	20.150	ug/l	99
37) Ethyl Acetate	6.93	43	116770	18.245	ug/l	97
38) Carbon Tetrachloride	7.77	117	310077	20.115	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	332014	20.244	ug/l	98
40) Benzene	8.04	78	825815	20.713	ug/l	99
41) Methacrylonitrile	7.18	41	65197	21.607	ug/l	87
42) 1,2-Dichloroethane	8.13	62	255939	20.022	ug/l	100
43) Isopropyl Acetate	8.17	43	217457	19.337	ug/l #	86
44) Trichloroethene	8.84	130	269874	21.089	ug/l	92
45) 1,2-Dichloropropane	9.12	63	187668	20.809	ug/l	99
46) Dibromomethane	9.21	93	144869	19.927	ug/l	96
47) Bromodichloromethane	9.40	83	276040	20.104	ug/l	99
48) Methyl methacrylate	9.20	41	102092	18.783	ug/l	97
49) 1,4-Dioxane	9.20	88	28409	285.039	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	583113	94.268	ug/l	100
52) Toluene	10.16	92	562587	20.809	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	250931	18.694	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	291451	20.309	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	204054	20.428	ug/l	98
56) Ethyl methacrylate	10.43	69	210188	19.575	ug/l	98
57) 1,3-Dichloropropane	10.71	76	300817	19.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	546946	97.351	ug/l	99
59) 2-Hexanone	10.75	43	384163	92.433	ug/l	100
60) Dibromochloromethane	10.90	129	223209	18.801	ug/l	99
61) 1,2-Dibromoethane	11.01	107	211028	20.037	ug/l	99
64) Tetrachloroethene	10.63	164	254641	20.661	ug/l	98
65) Chlorobenzene	11.43	112	664174	20.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	242704	20.827	ug/l	100
67) Ethyl Benzene	11.51	91	1052745	20.201	ug/l	99
68) m/p-Xylenes	11.62	106	858389	41.225	ug/l	99
69) o-Xylene	11.95	106	421642	20.822	ug/l	97
70) Styrene	11.96	104	660124	20.396	ug/l	99
71) Bromoform	12.13	173	135753	18.245	ug/l #	99
73) Isopropylbenzene	12.25	105	1099023	22.292	ug/l	100
74) N-amyl acetate	12.07	43	182395	18.796	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201598	19.790	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	241278	30.048	ug/l #	100
77) Bromobenzene	12.53	156	313009	23.005	ug/l	94
78) n-propylbenzene	12.59	91	1156053	21.737	ug/l	99
79) 2-Chlorotoluene	12.67	91	681526	22.006	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	873321	22.079	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43203	18.522	ug/l	98
82) 4-Chlorotoluene	12.77	91	691427	21.563	ug/l	100
83) tert-Butylbenzene	12.99	119	810089	21.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	875561	21.460	ug/l	99
85) sec-Butylbenzene	13.17	105	1037495	21.234	ug/l	100
86) p-Isopropyltoluene	13.29	119	930086	21.144	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	520328	20.735	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	513132	20.741	ug/l	99
89) n-Butylbenzene	13.61	91	683861	19.524	ug/l	99
90) Hexachloroethane	13.87	117	135013	20.602	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	488058	20.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22390	14.315	ug/l	97

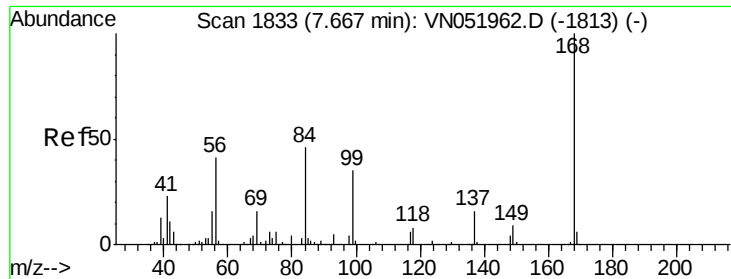
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
Data File : VN052023.D
Acq On : 26 Oct 2018 13:00
Operator : MD\SY
Sample : VN1026WBSD01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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Quant Time: Oct 26 23:21:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180408	12.581	ug/l	97
94) Hexachlorobutadiene	15.01	225	116620	15.827	ug/l	99
95) Naphthalene	15.13	128	331847	10.656	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142288	10.381	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

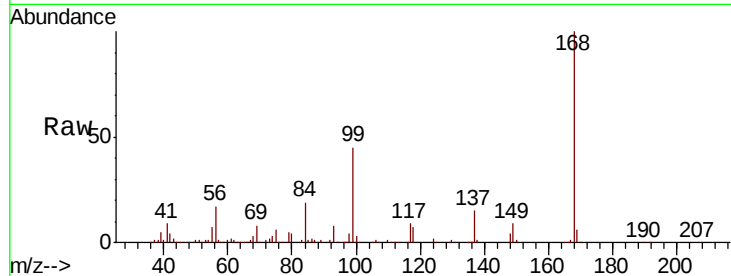
VN1026WBSD01

Tot Ion:168 Resp: 1211689

Ion Ratio Lower Upper

168 100

99 44.9 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

600000

500000

400000

300000

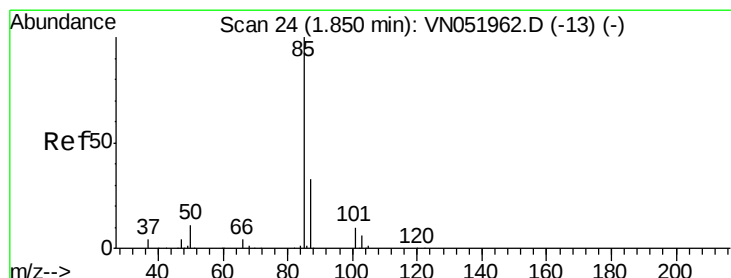
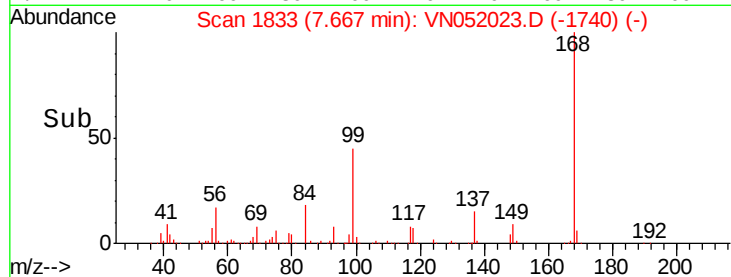
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 30.533 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052023.D

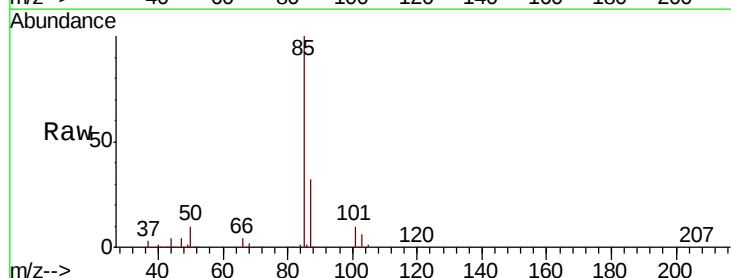
Acq: 26 Oct 2018 13:00

Tgt Ion: 85 Resp: 234776

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051962.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051962.D (-13) (-)

1.85

200000

150000

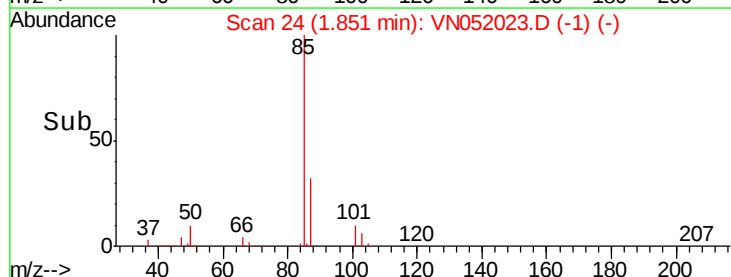
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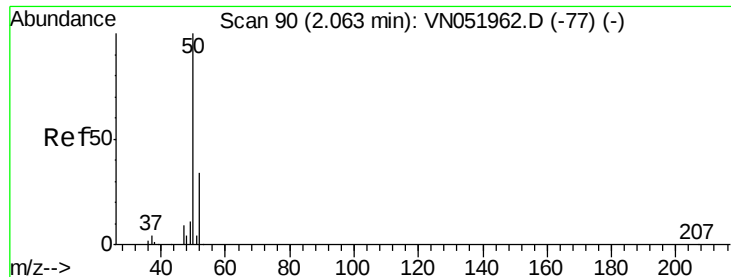
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 23.129 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

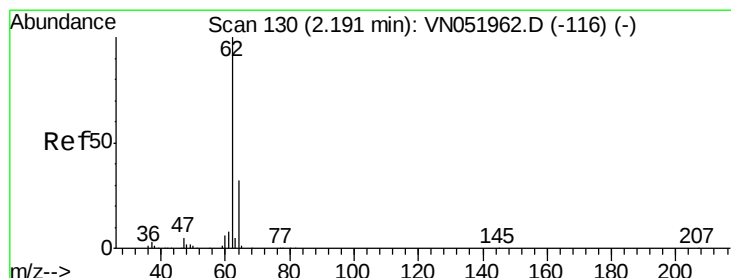
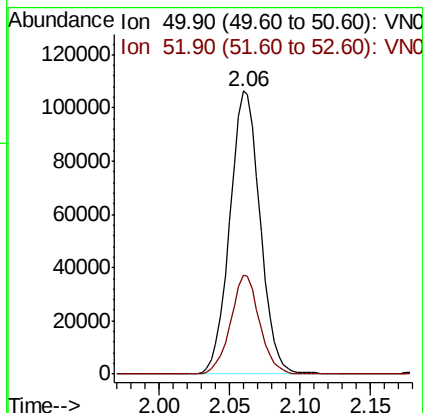
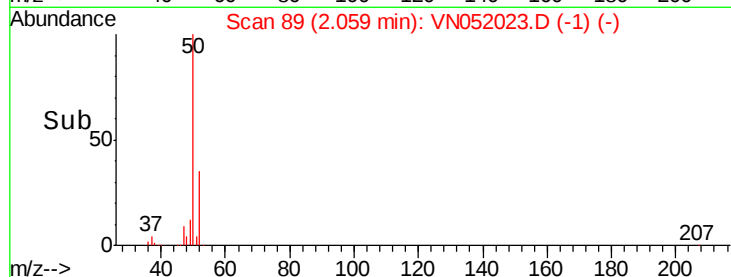
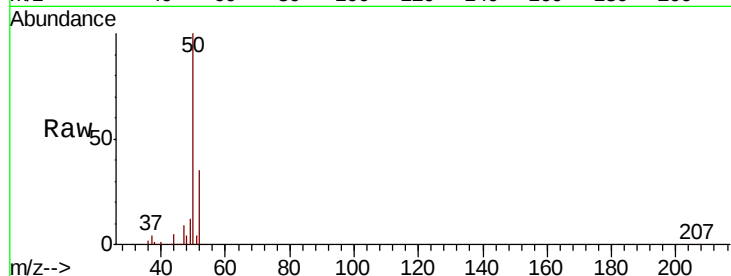
VN1026WBSD01

Tot Ion: 50 Resp: 160129

Ion Ratio Lower Upper

50 100

52 34.8 27.5 41.3



#4

Vinyl Chloride

Concen: 21.017 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052023.D

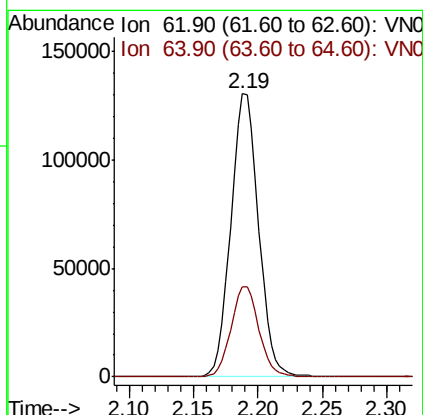
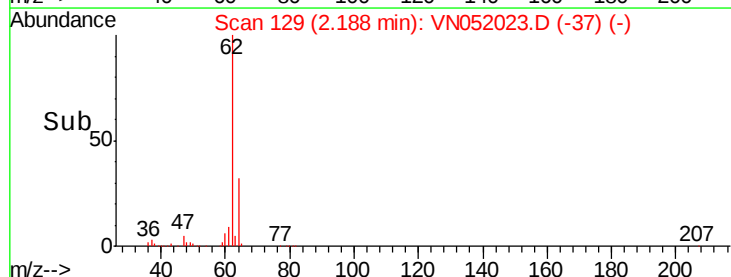
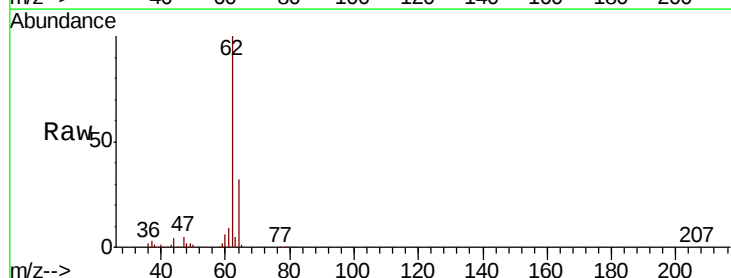
Acq: 26 Oct 2018 13:00

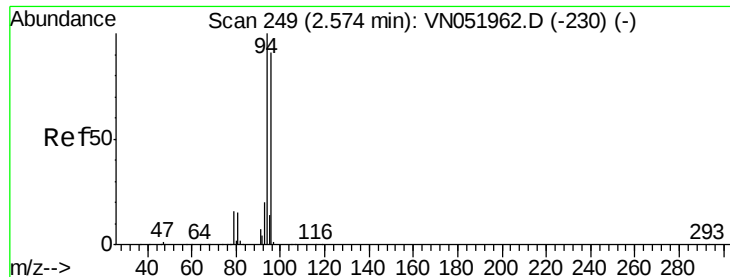
Tgt Ion: 62 Resp: 195036

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 21.194 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

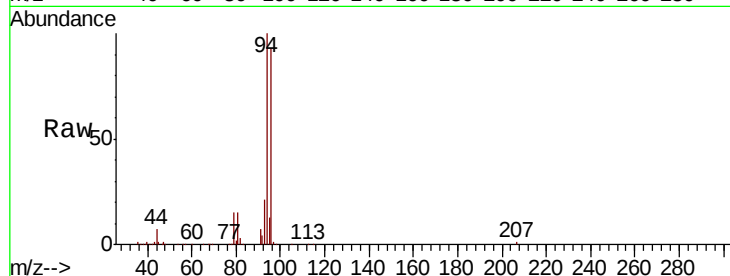
VN1026WBSD01

Tot Ion: 94 Resp: 188315

Ion Ratio Lower Upper

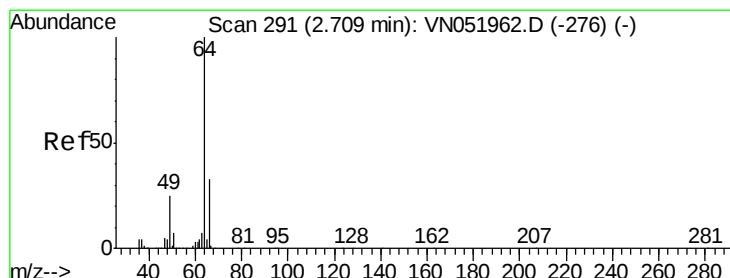
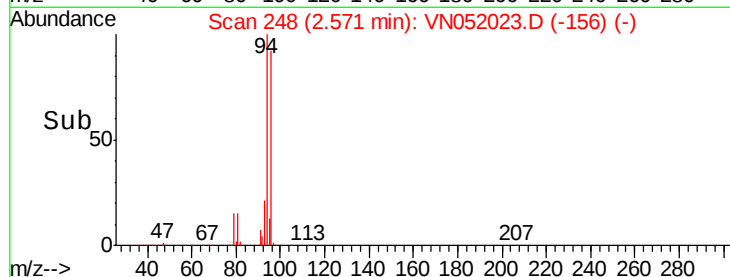
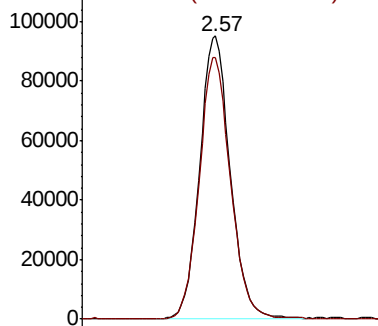
94 100

96 92.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.907 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052023.D

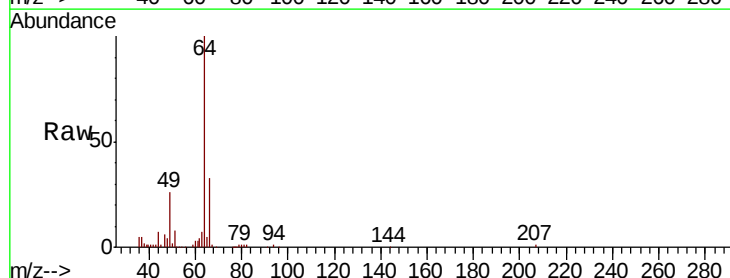
Acq: 26 Oct 2018 13:00

Tgt Ion: 64 Resp: 137154

Ion Ratio Lower Upper

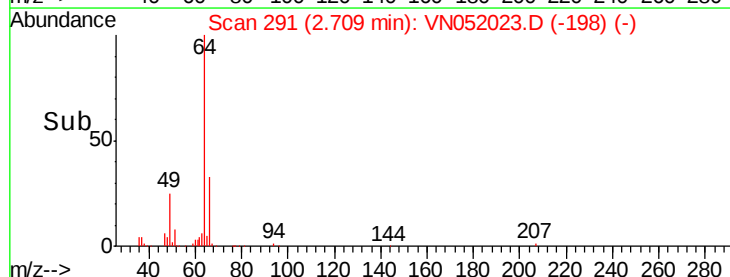
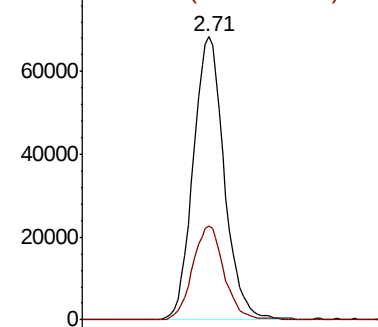
64 100

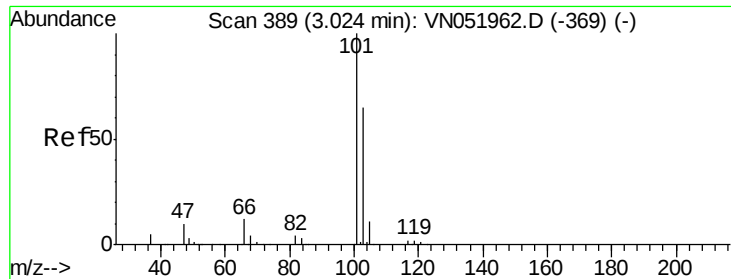
66 33.3 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



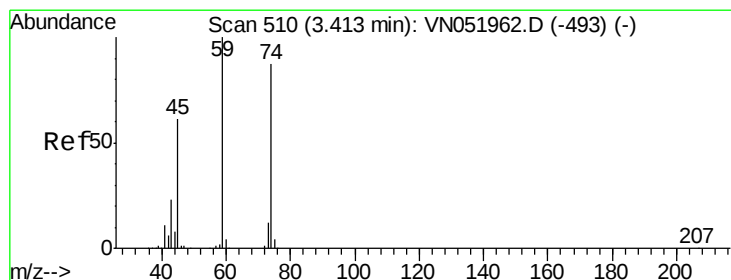
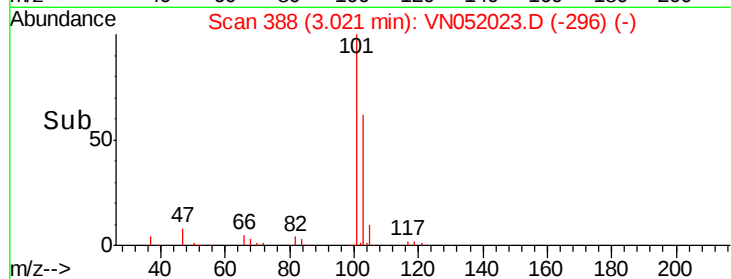
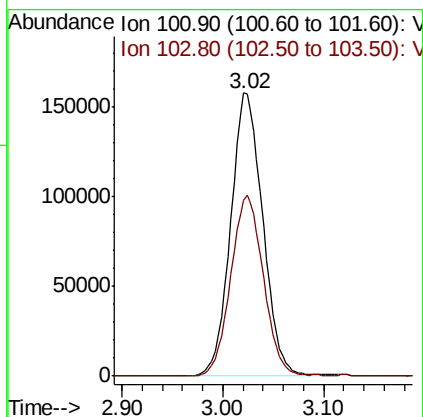
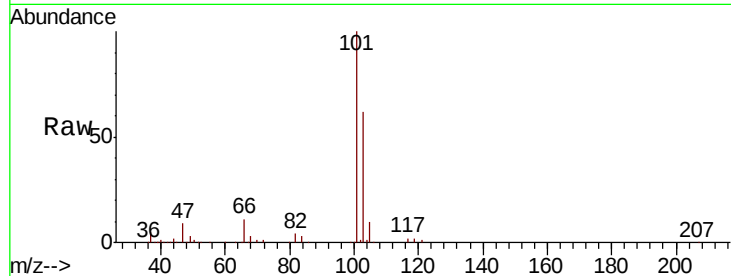


#7

Trichlorofluoromethane
 Concen: 21.127 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
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 VN1026WBSD01

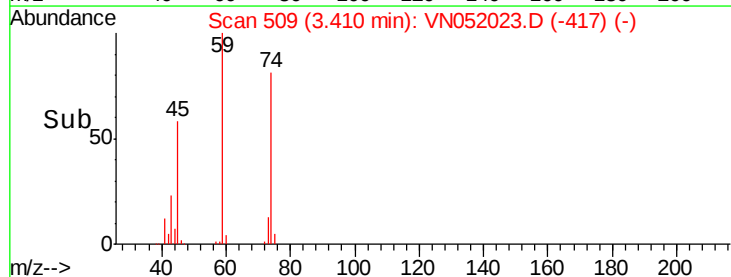
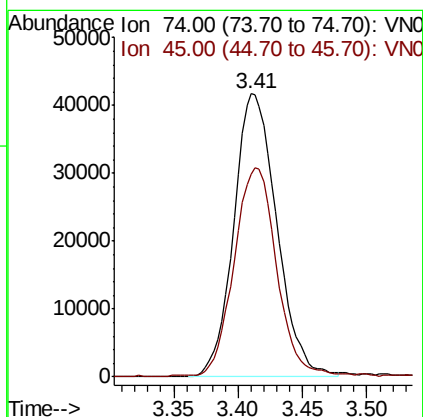
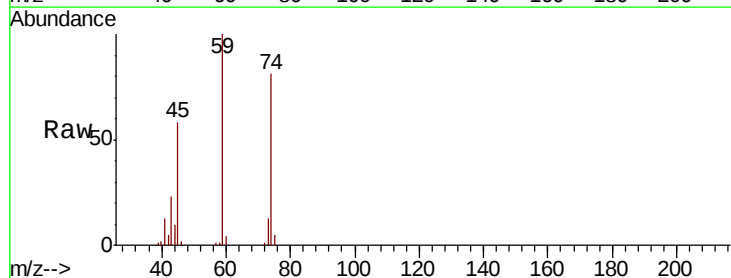
Tot Ion:101 Resp: 349351
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.0 78.0

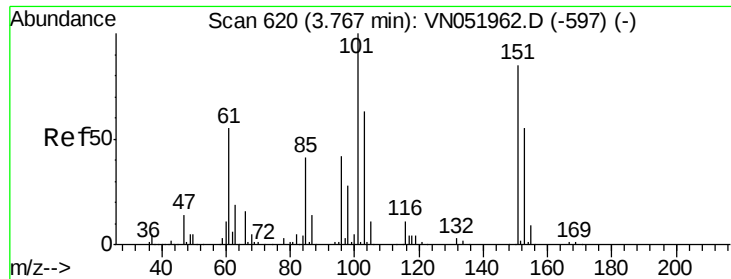


#8

Diethyl Ether
 Concen: 19.711 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 74 Resp: 96905
 Ion Ratio Lower Upper
 74 100
 45 72.1 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.859 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

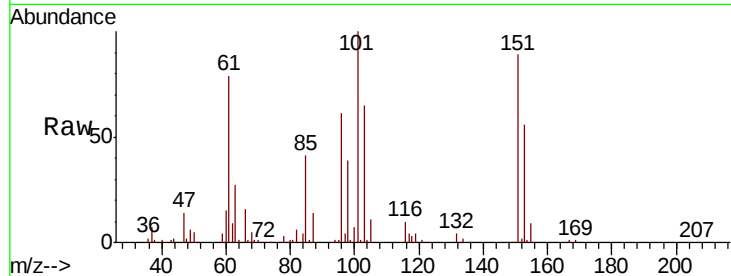
Tot Ion:101 Resp: 206622

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

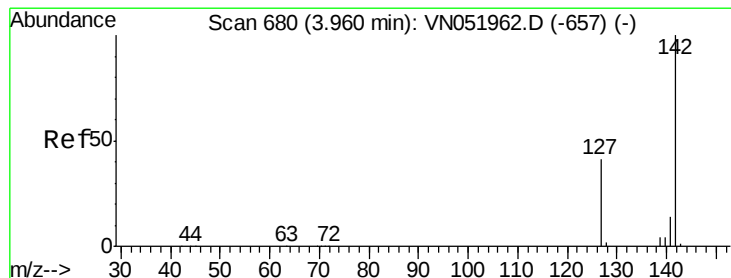
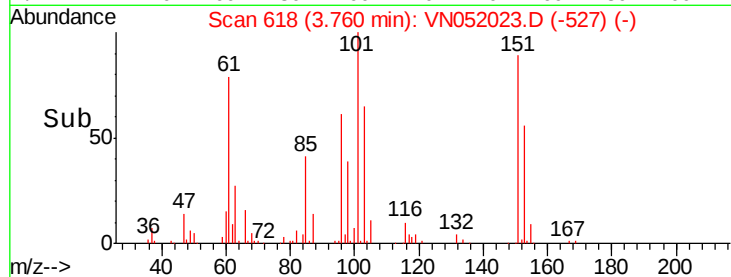
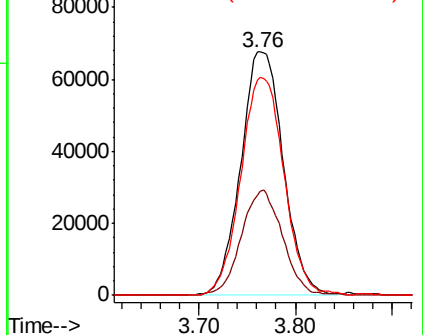
151 91.0 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.940 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

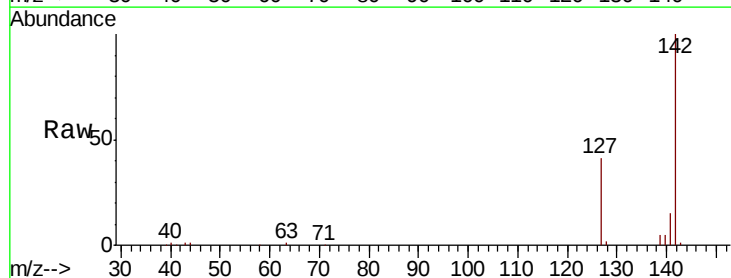
Tgt Ion:142 Resp: 321535

Ion Ratio Lower Upper

142 100

127 41.6 34.3 51.5

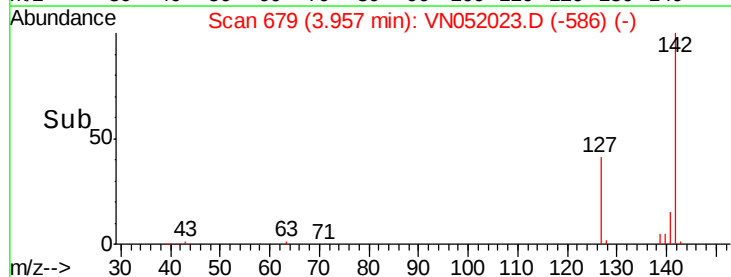
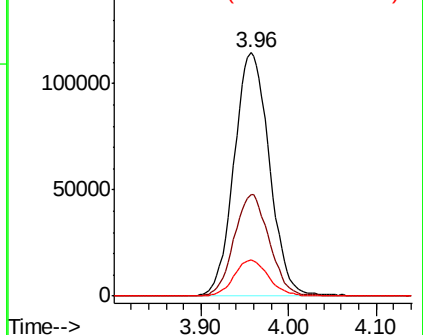
141 14.5 11.4 17.0

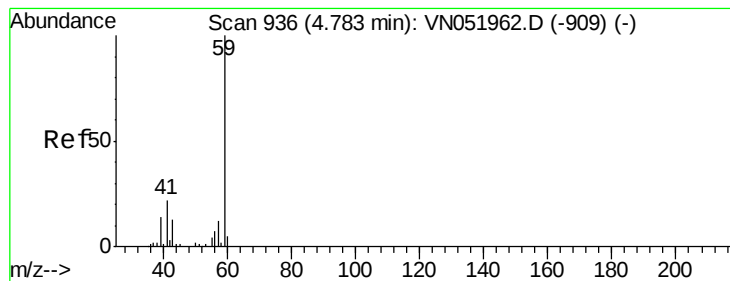


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



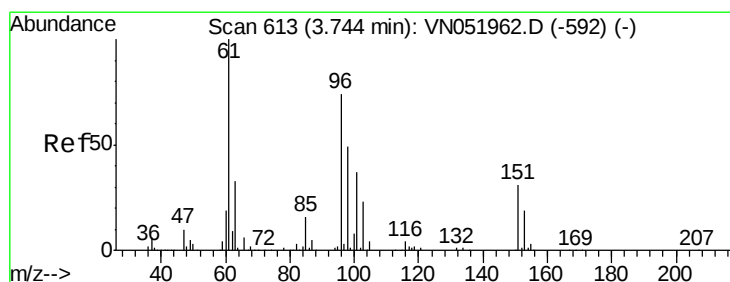
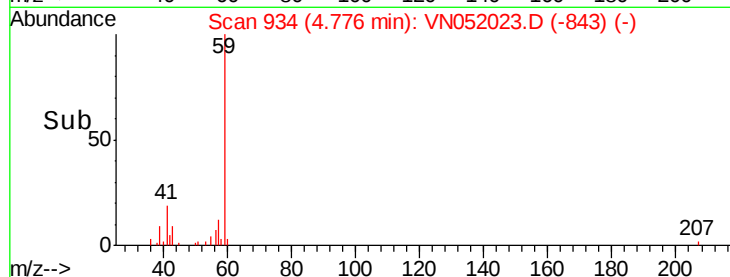
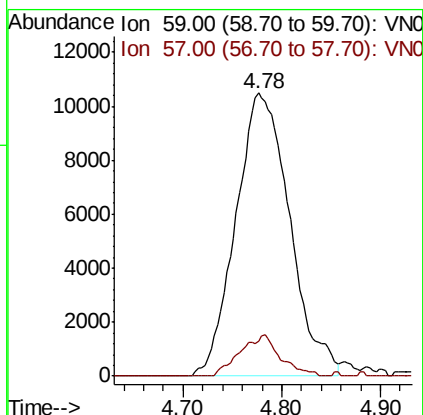
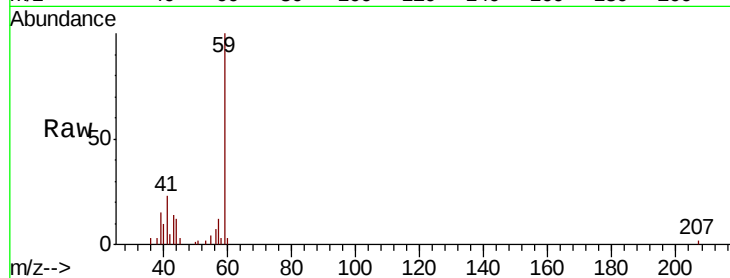


#11

Tert butyl alcohol
Concen: 71.205 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

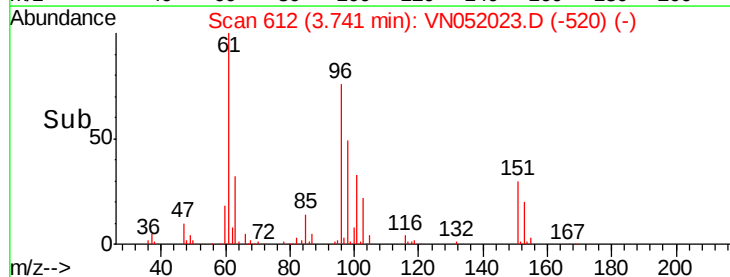
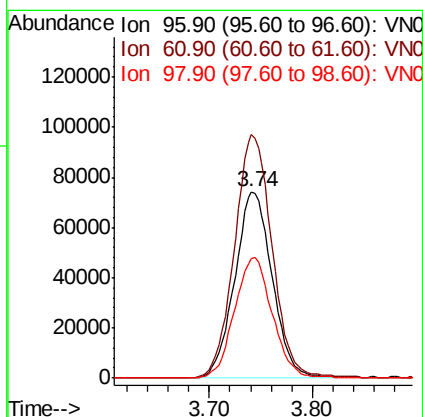
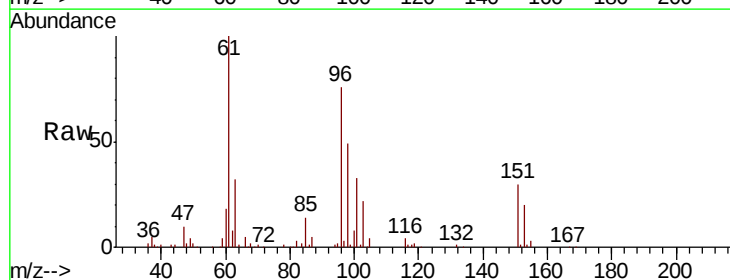
Tot Ion: 59 Resp: 39767
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

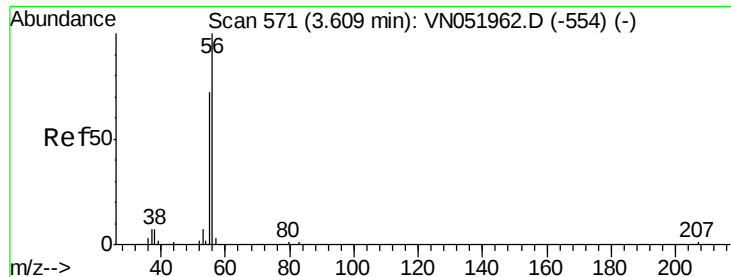


#12

1,1-Dichloroethene
Concen: 21.159 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 96 Resp: 187699
Ion Ratio Lower Upper
96 100
61 130.9 107.8 161.8
98 64.4 52.7 79.1





#13

Acrolein

Concen: 106.194 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

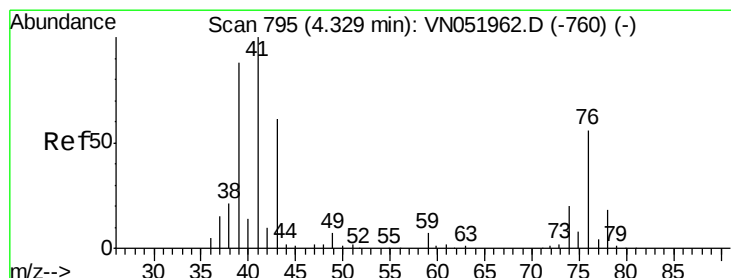
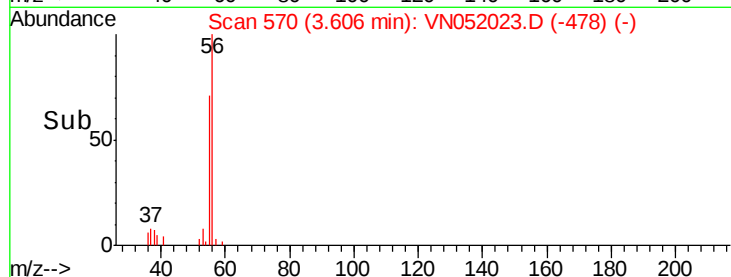
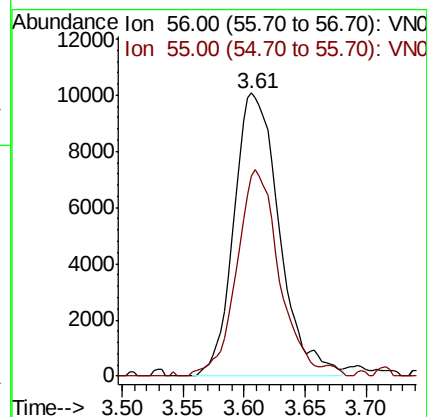
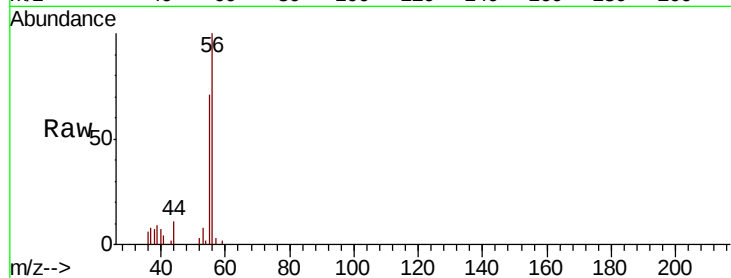
VN1026WBSD01

Tot Ion: 56 Resp: 26038

Ion Ratio Lower Upper

56 100

55 67.5 56.6 84.8



#14

Allyl chloride

Concen: 19.526 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

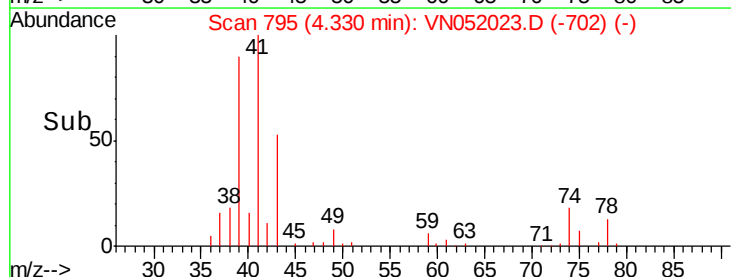
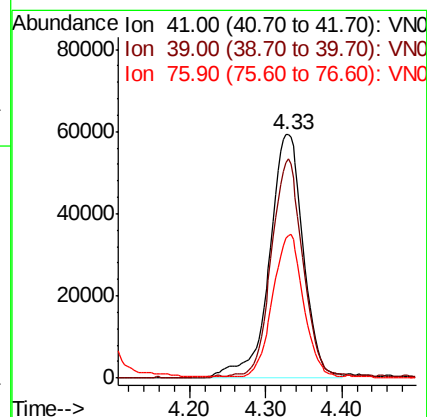
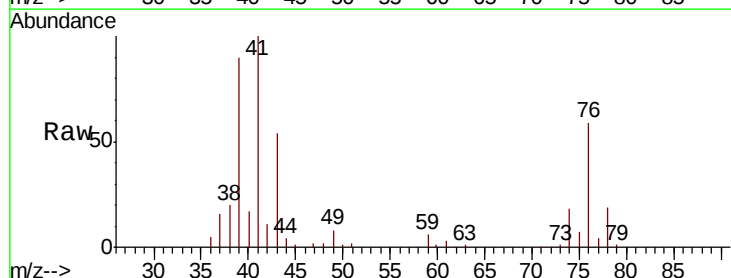
Tgt Ion: 41 Resp: 183286

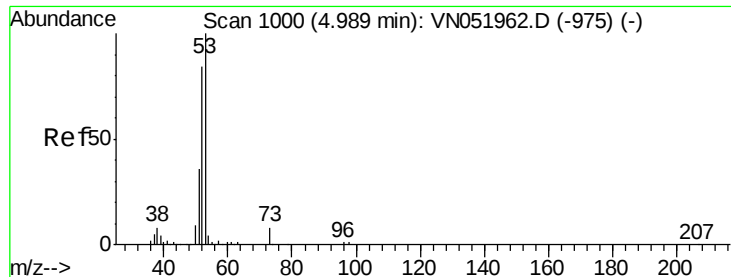
Ion Ratio Lower Upper

41 100

39 81.3 67.7 101.5

76 53.1 41.3 61.9





#15

Acrylonitrile

Concen: 96.249 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

VN1026WBSD01

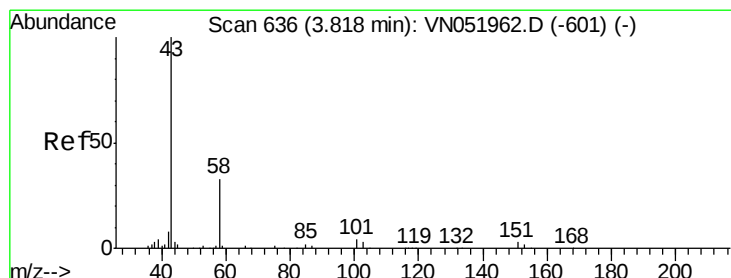
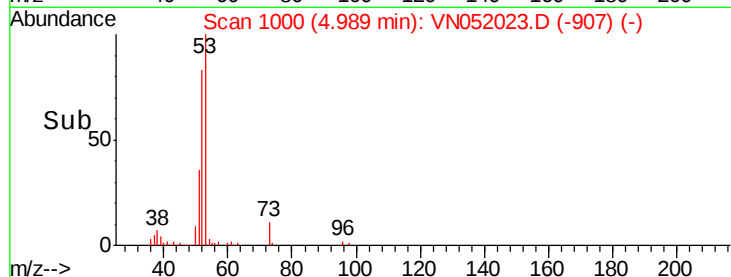
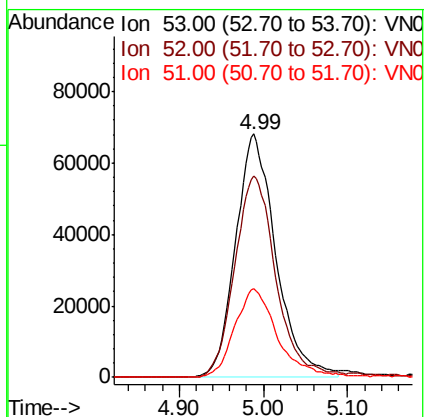
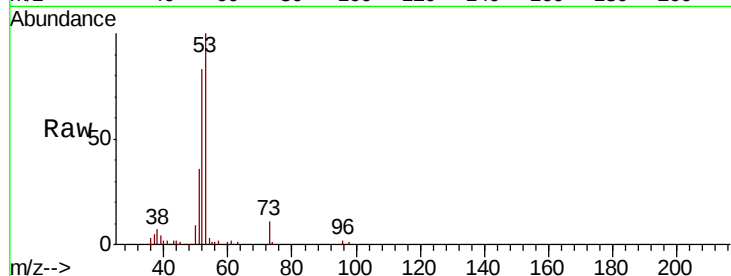
Tot Ion: 53 Resp: 226916

Ion Ratio Lower Upper

53 100

52 84.4 67.0 100.4

51 38.5 29.5 44.3



#16

Acetone

Concen: 91.596 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052023.D

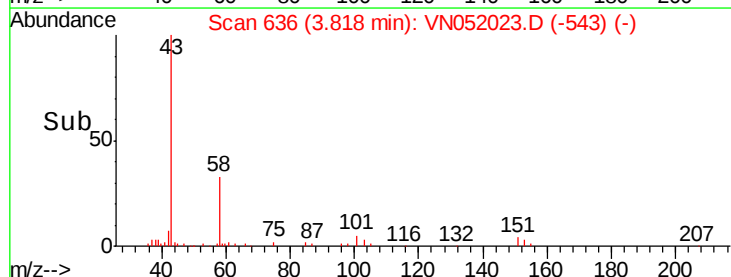
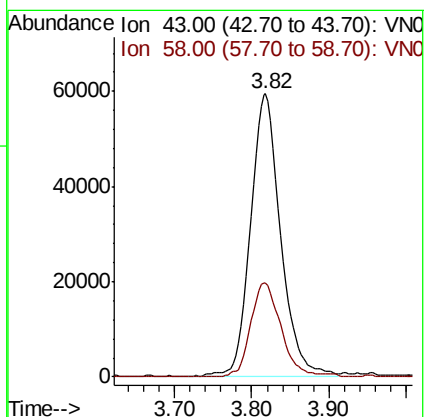
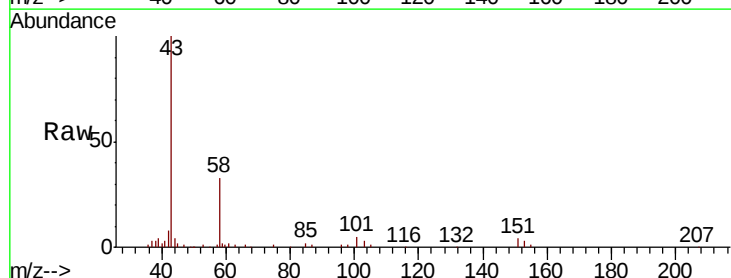
Acq: 26 Oct 2018 13:00

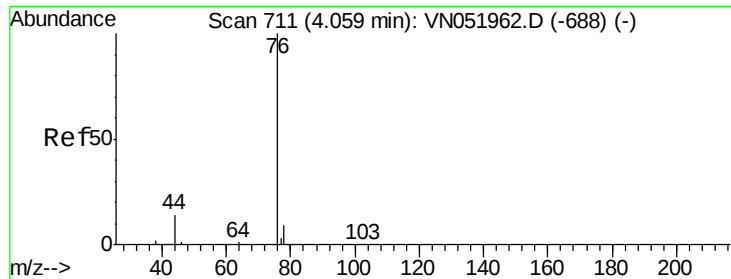
Tgt Ion: 43 Resp: 162856

Ion Ratio Lower Upper

43 100

58 33.0 26.7 40.1





#17

Carbon Disulfide

Concen: 20.600 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

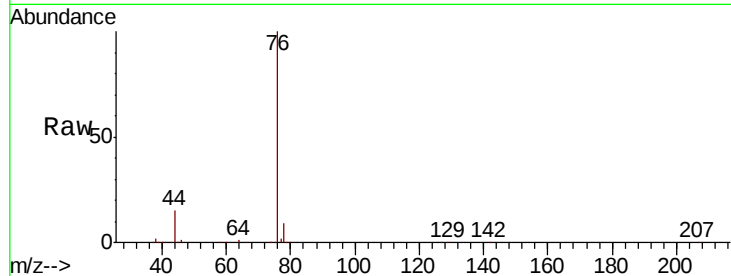
VN1026WBSD01

Tot Ion: 76 Resp: 434385

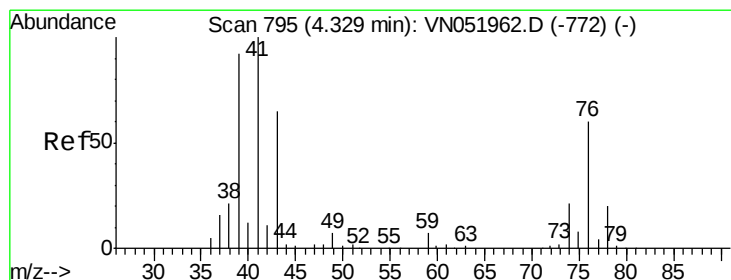
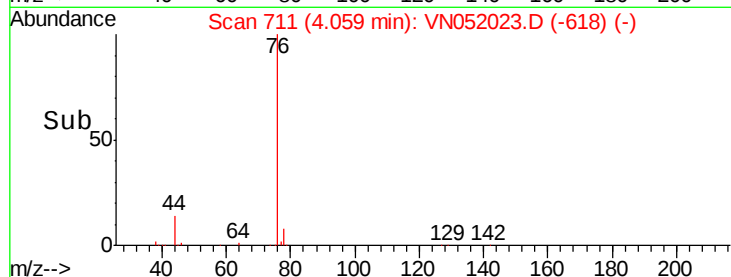
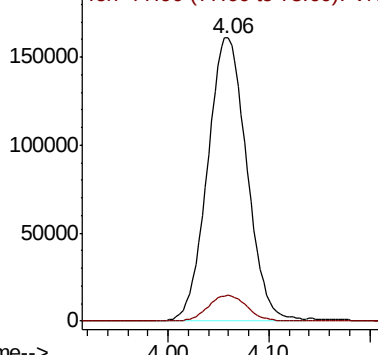
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 15.916 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052023.D

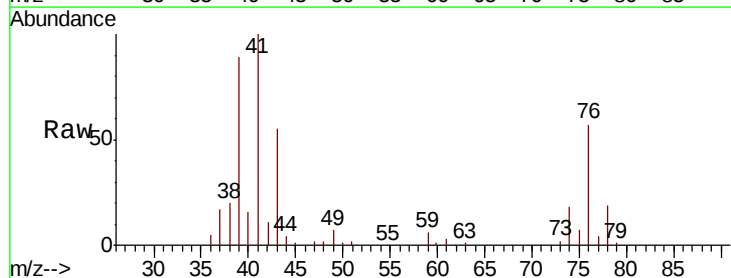
Acq: 26 Oct 2018 13:00

Tgt Ion: 43 Resp: 94431

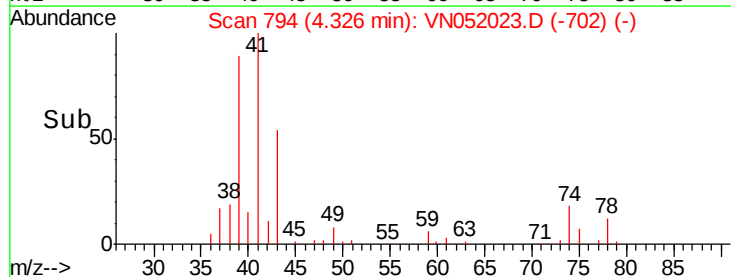
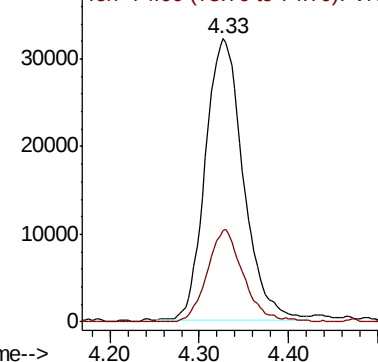
Ion Ratio Lower Upper

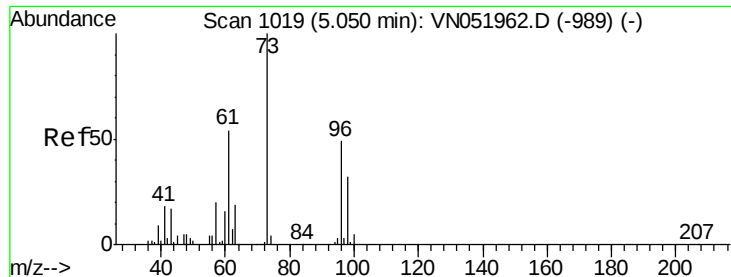
43 100

74 31.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO



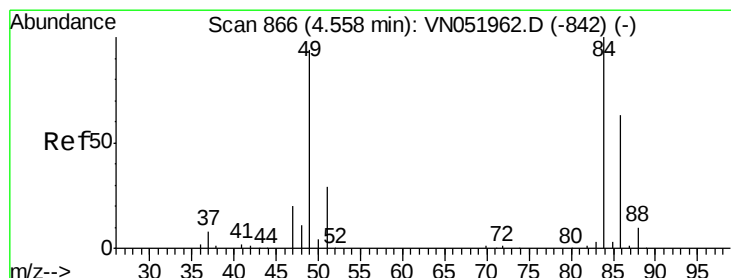
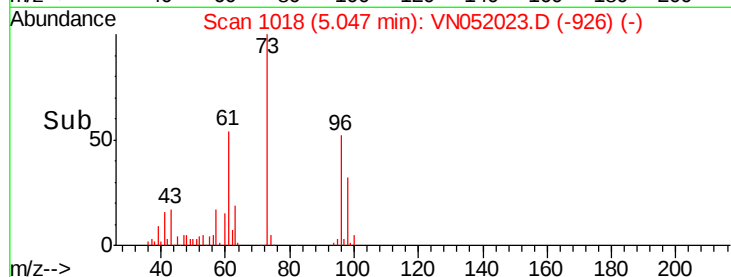
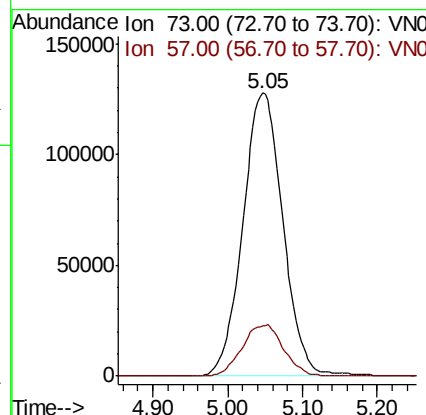
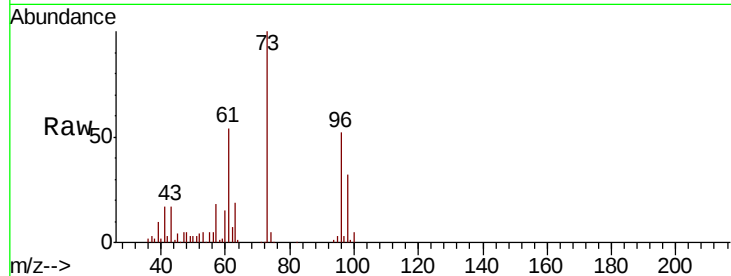


#19

Methyl tert-butyl Ether
 Concen: 19.939 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN1026WBSD01

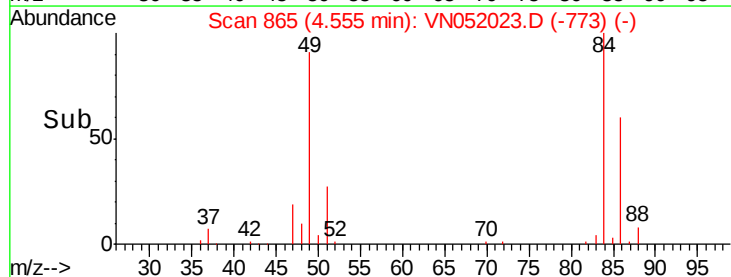
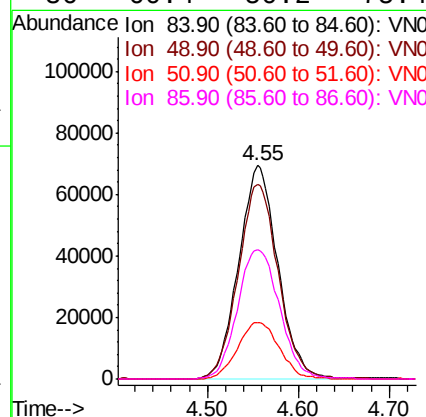
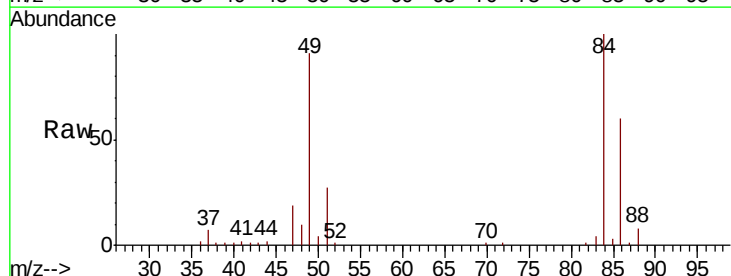
Tot Ion: 73 Resp: 474874
 Ion Ratio Lower Upper
 73 100
 57 17.7 15.9 23.9

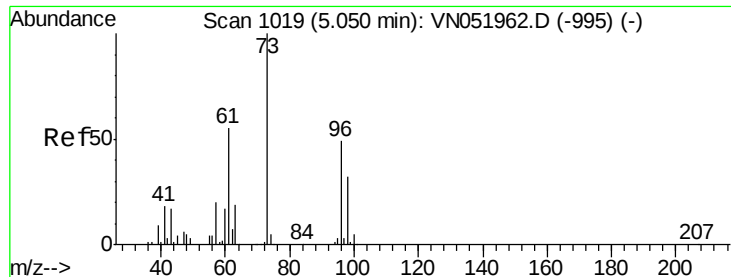


#20

Methylene Chloride
 Concen: 19.856 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 84 Resp: 207104
 Ion Ratio Lower Upper
 84 100
 49 91.3 75.4 113.0
 51 26.6 23.1 34.7
 86 60.4 50.2 75.4

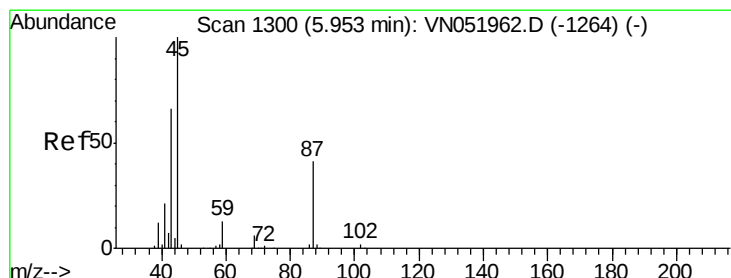
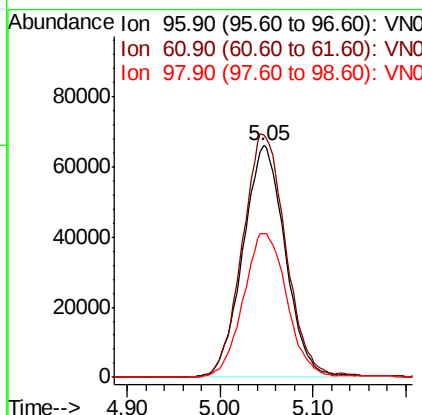
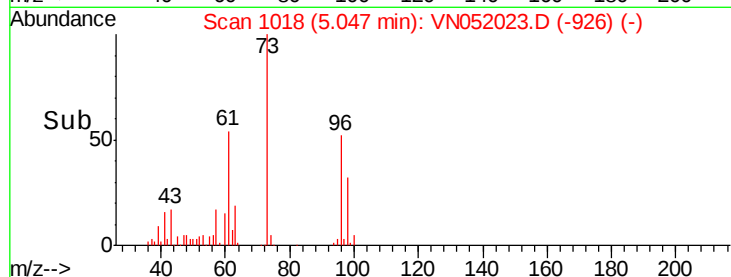
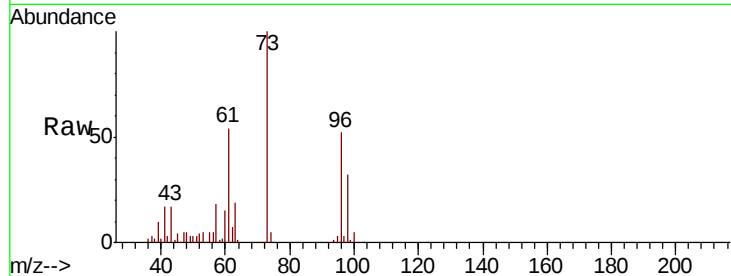




#21
trans-1,2-Dichloroethene
Concen: 20.888 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

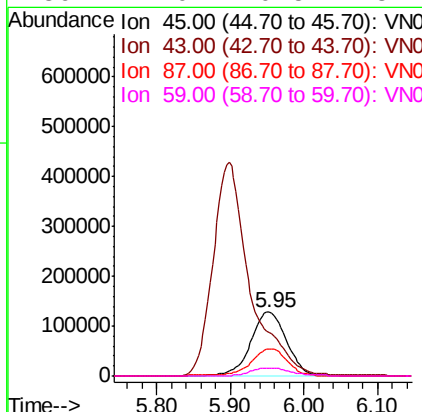
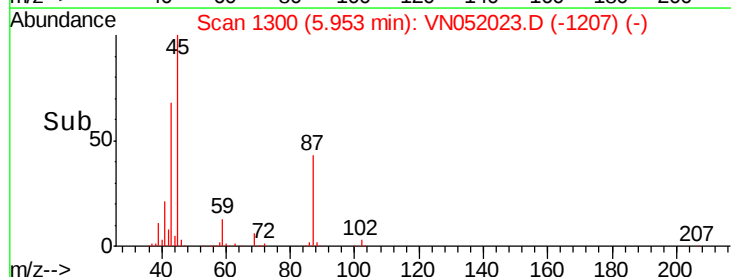
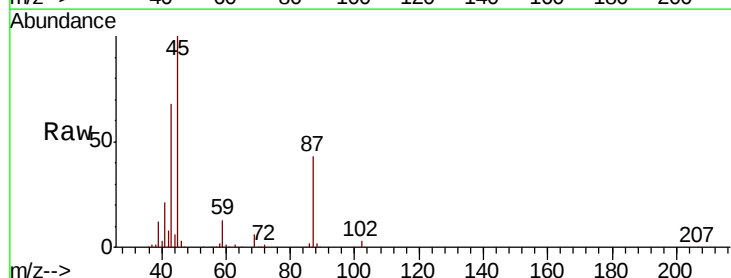
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

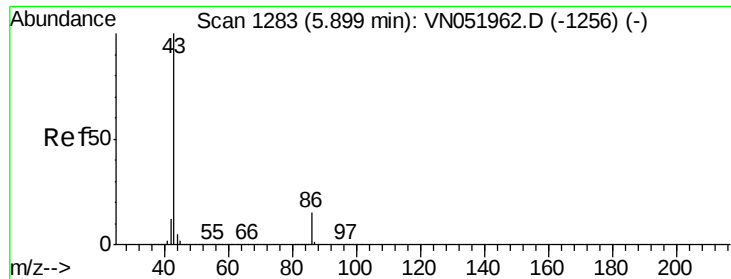
Tot Ion: 96 Resp: 209850
Ion Ratio Lower Upper
96 100
61 104.9 89.0 133.4
98 62.3 51.8 77.8



#22
Diisopropyl ether
Concen: 20.315 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 45 Resp: 436298
Ion Ratio Lower Upper
45 100
43 66.7 52.9 79.3
87 42.7 33.4 50.0
59 12.0 10.5 15.7





#23

Vinyl Acetate

Concen: 102.293 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

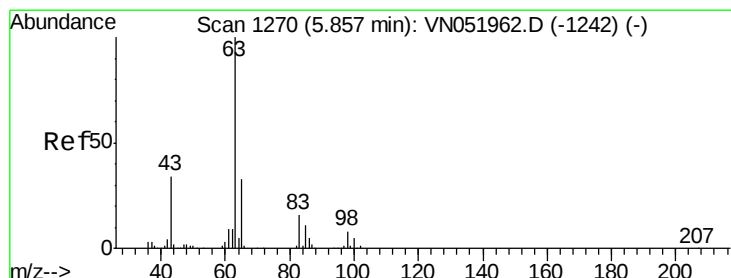
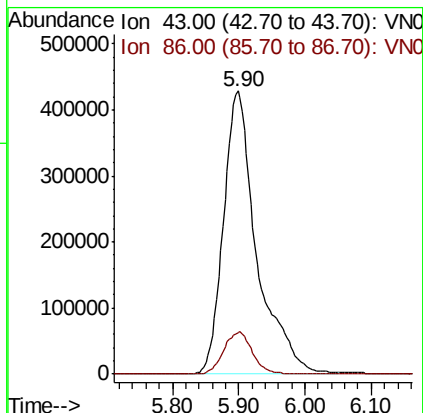
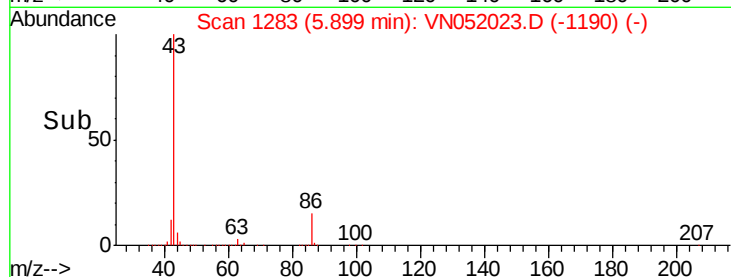
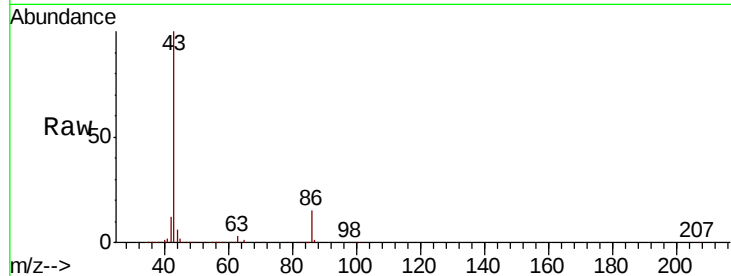
VN1026WBSD01

Tot Ion: 43 Resp: 1494446

Ion Ratio Lower Upper

43 100

86 14.8 11.9 17.9



#24

1,1-Dichloroethane

Concen: 20.375 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

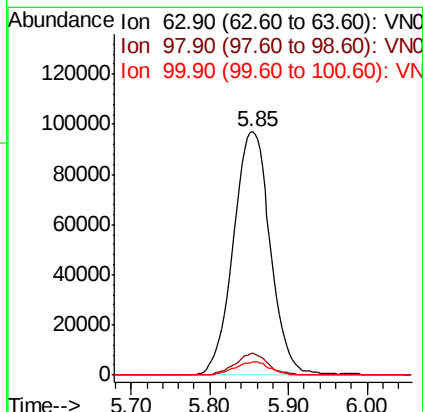
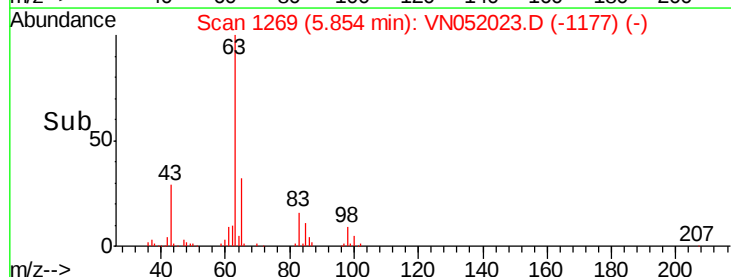
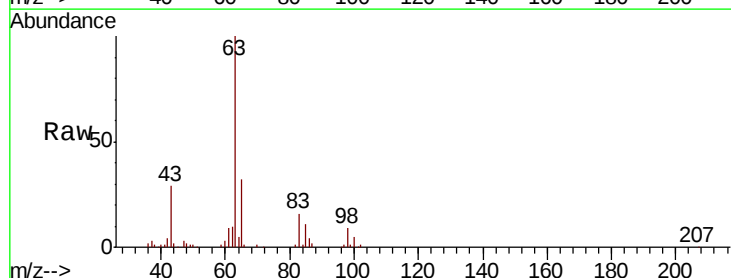
Tgt Ion: 63 Resp: 319459

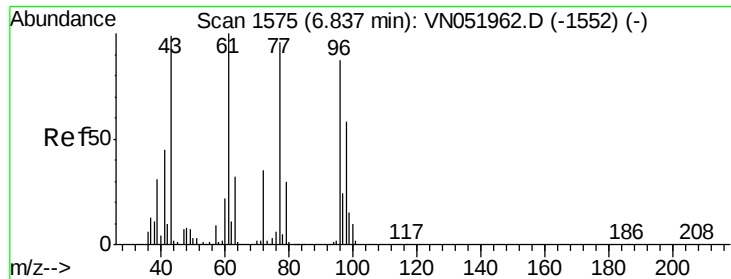
Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.7

100 5.4 2.6 8.0

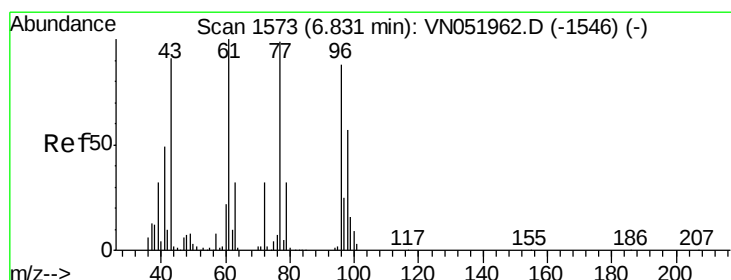
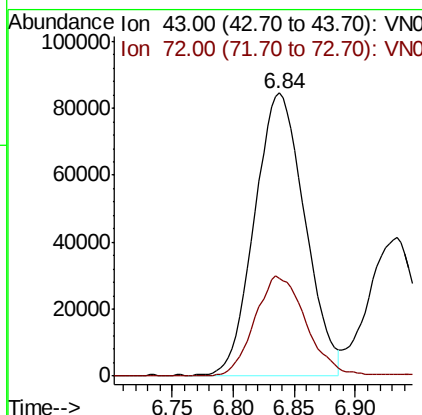
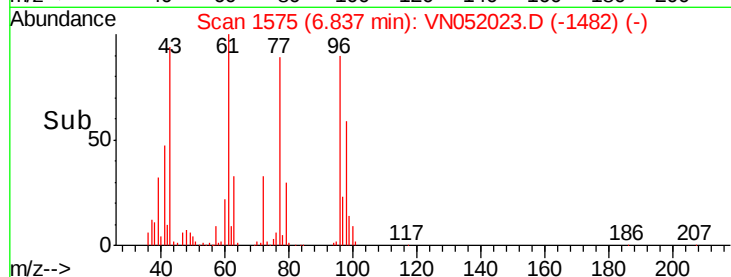
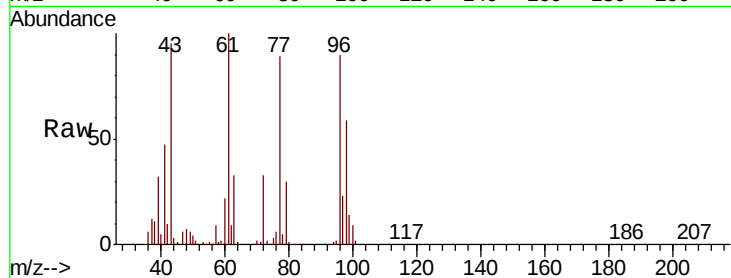




#25
2-Butanone
Concen: 95.272 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

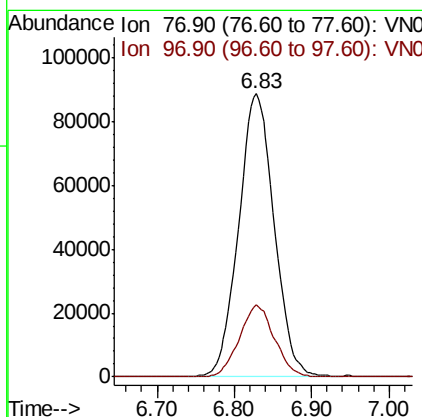
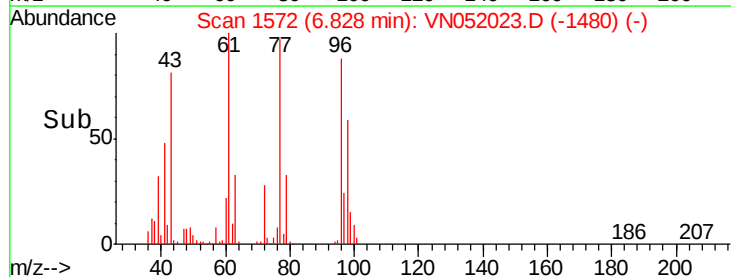
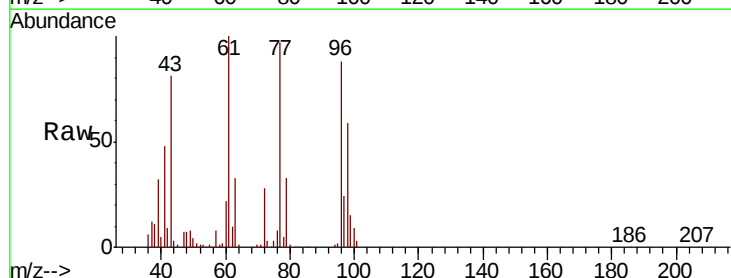
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

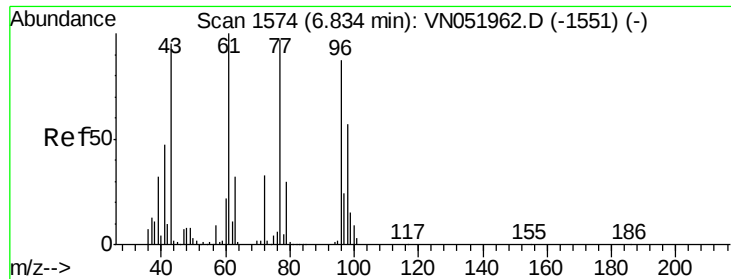
Tot Ion: 43 Resp: 241486
Ion Ratio Lower Upper
43 100
72 34.8 28.5 42.7



#26
2,2-Dichloropropane
Concen: 19.778 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 77 Resp: 283720
Ion Ratio Lower Upper
77 100
97 25.0 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 20.564 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

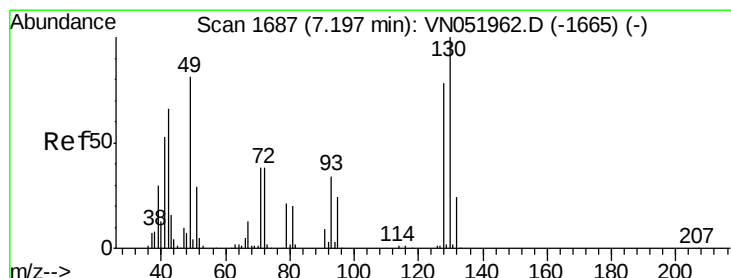
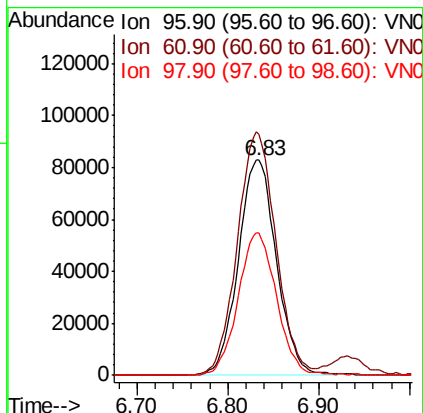
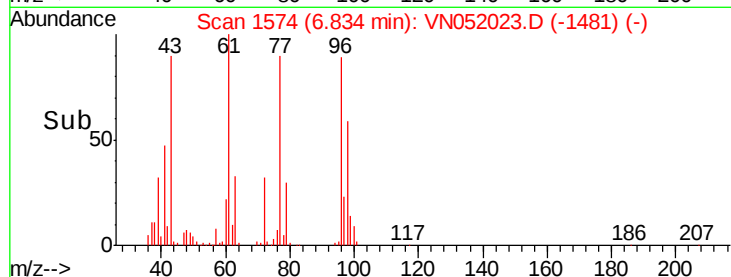
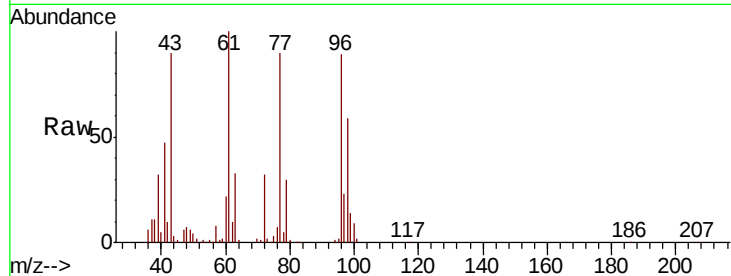
Tot Ion: 96 Resp: 241348

Ion Ratio Lower Upper

96 100

61 114.6 0.0 234.4

98 66.6 0.0 131.6



#28

Bromochloromethane

Concen: 20.115 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

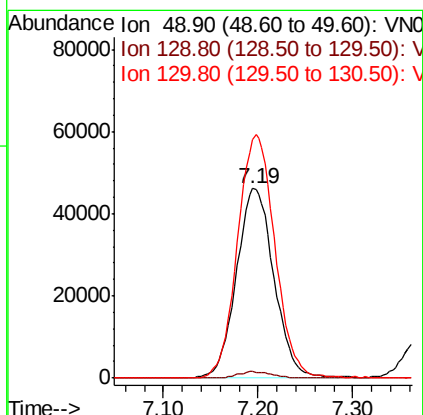
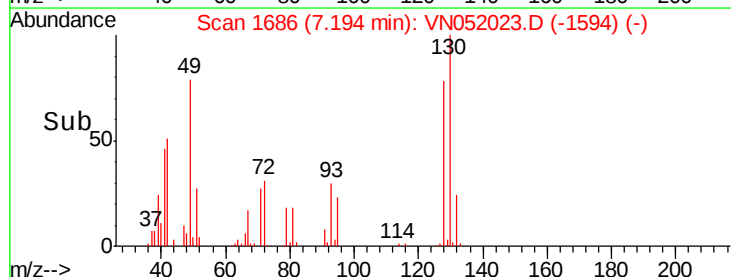
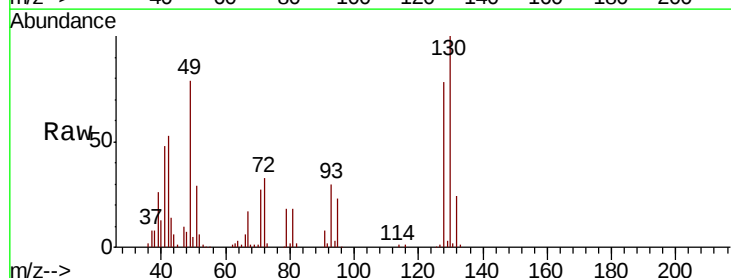
Tgt Ion: 49 Resp: 127111

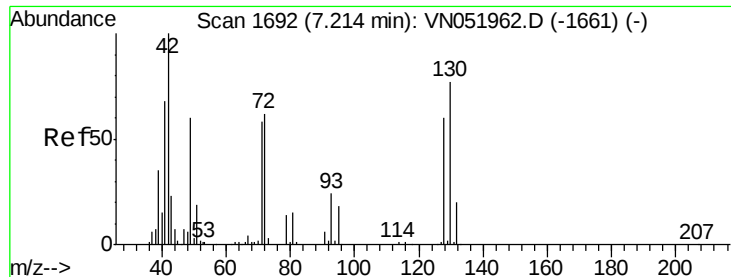
Ion Ratio Lower Upper

49 100

129 3.0 0.0 5.4

130 127.9 97.0 145.6

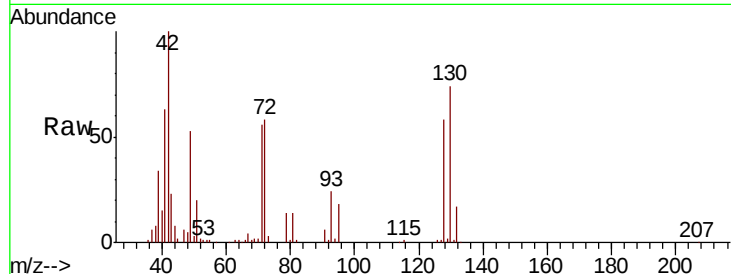




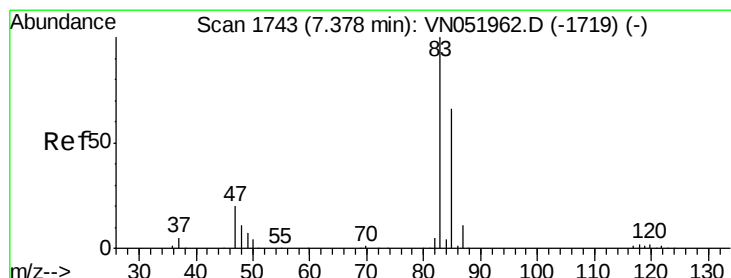
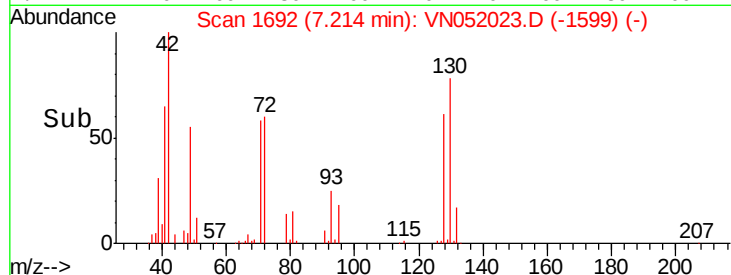
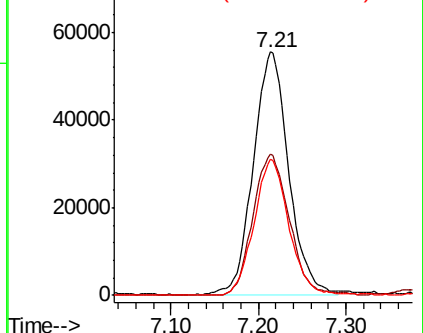
#29
Tetrahydrofuran
Concen: 90.274 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN1026WBSD01

Tot Ion: 42 Resp: 155030
Ion Ratio Lower Upper
42 100
72 60.2 47.5 71.3
71 55.1 45.4 68.2

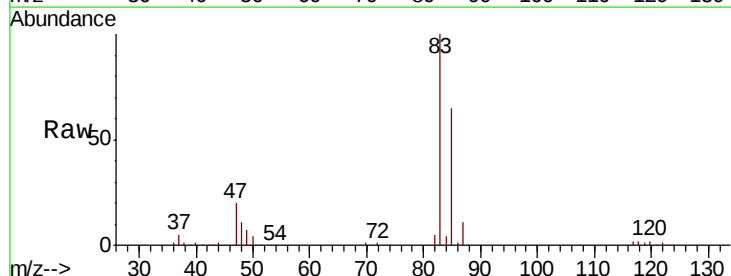


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

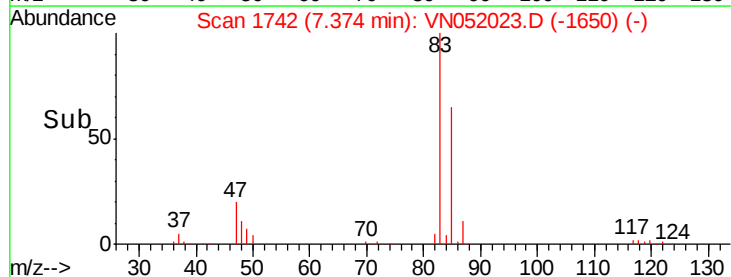
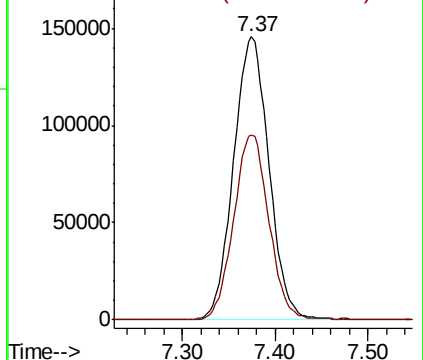


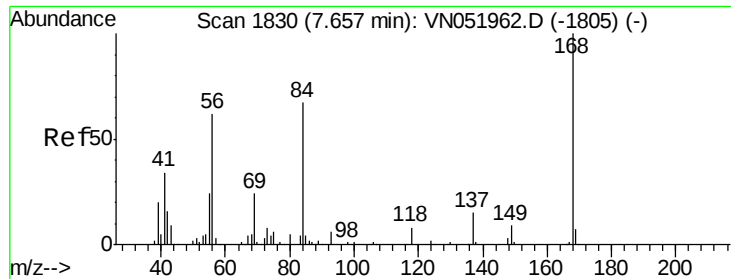
#30
Chloroform
Concen: 20.162 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 83 Resp: 386003
Ion Ratio Lower Upper
83 100
85 65.5 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

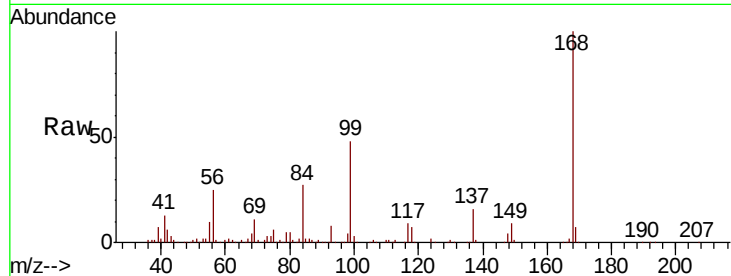




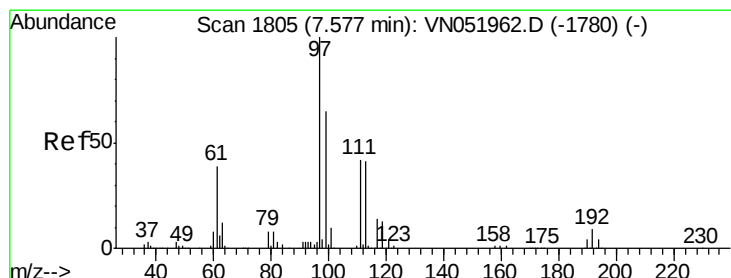
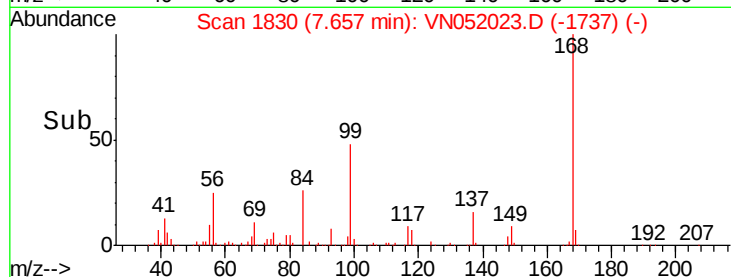
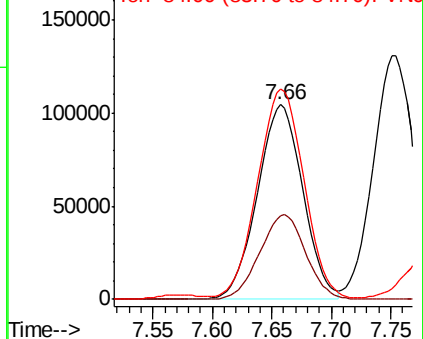
#31
Cyclohexane
Concen: 20.402 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 56 Resp: 276429
Ion Ratio Lower Upper
56 100
69 42.7 31.2 46.8
84 105.8 86.3 129.5

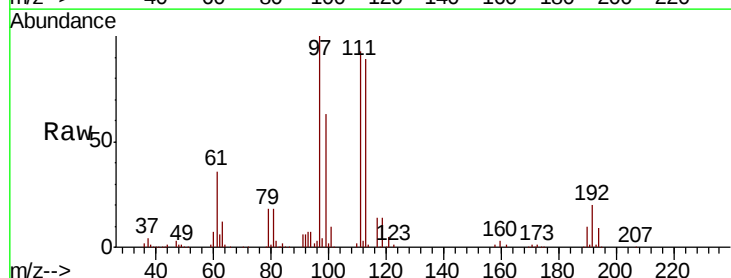


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

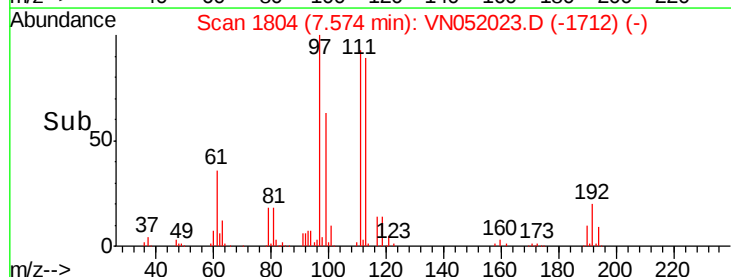
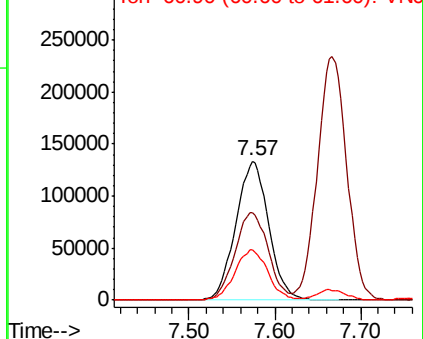


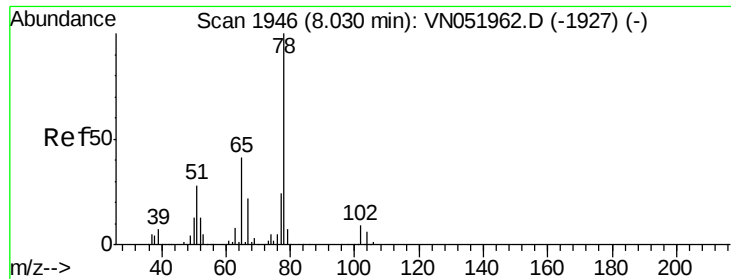
#32
1,1,1-Trichloroethane
Concen: 20.233 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 97 Resp: 354215
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 36.4 30.1 45.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

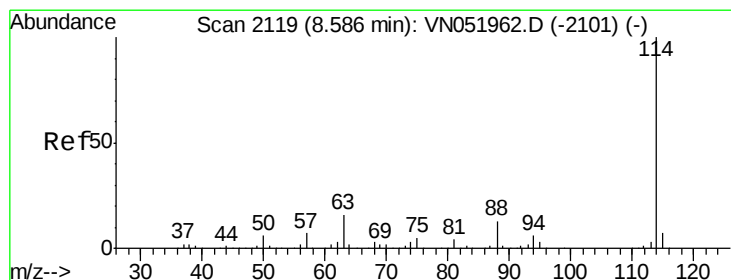
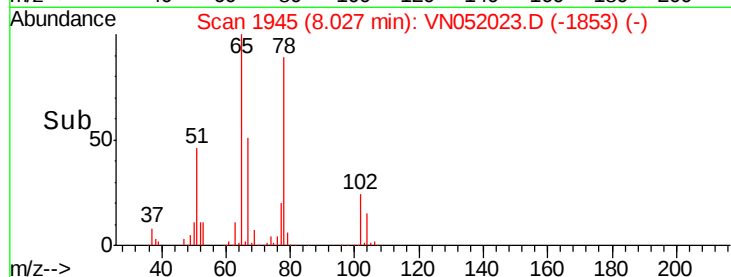
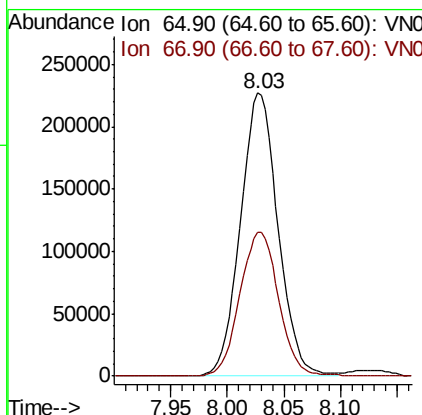
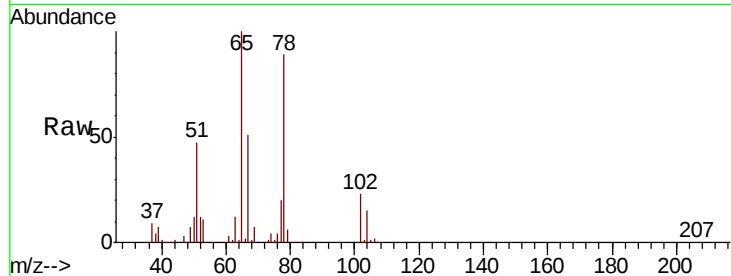




#33
 1,2-Dichloroethane-d4
 Concen: 20.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

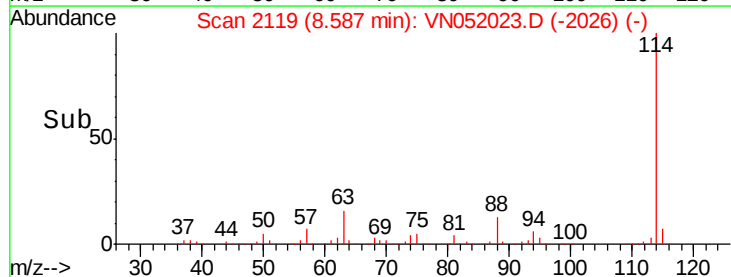
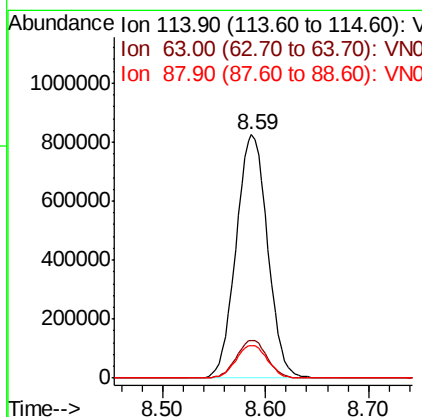
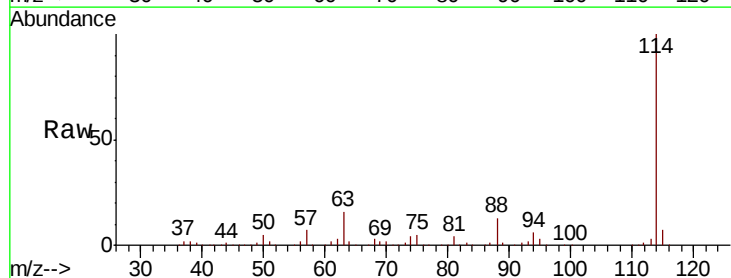
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

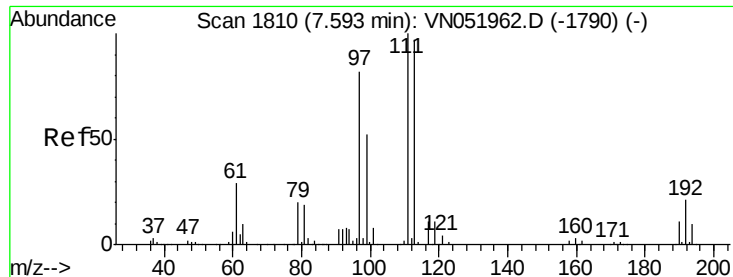
Tot Ion: 65 Resp: 524431
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 114 Resp: 1750478
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 13.4 0.0 27.0

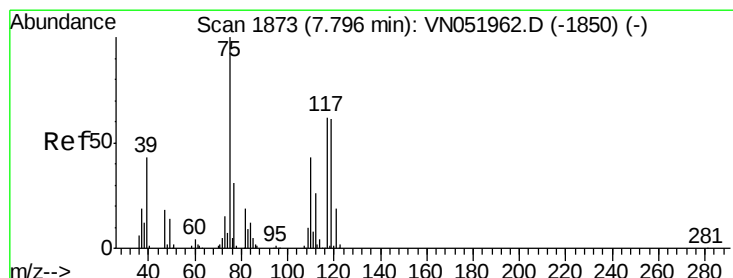
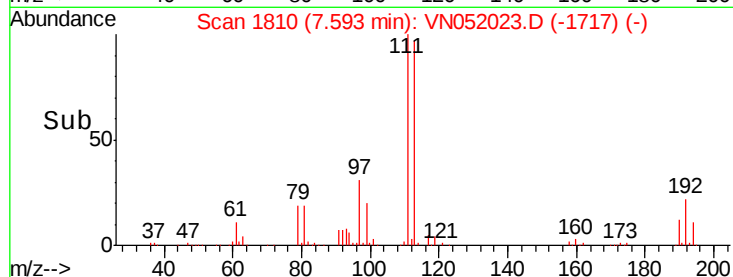
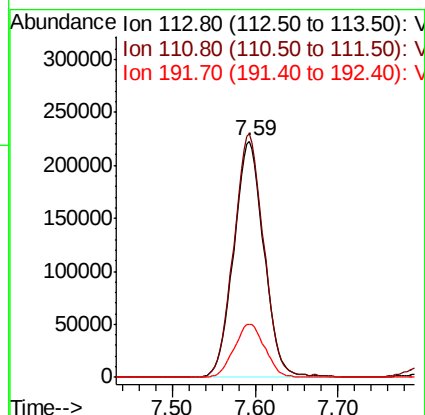
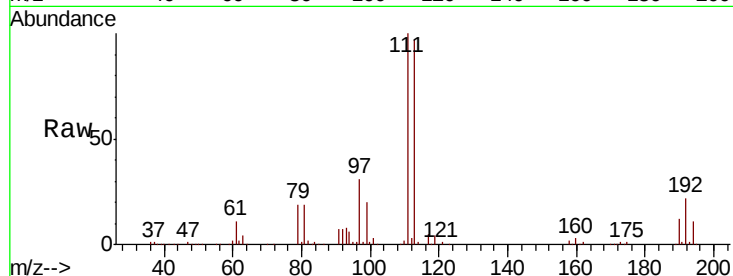




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

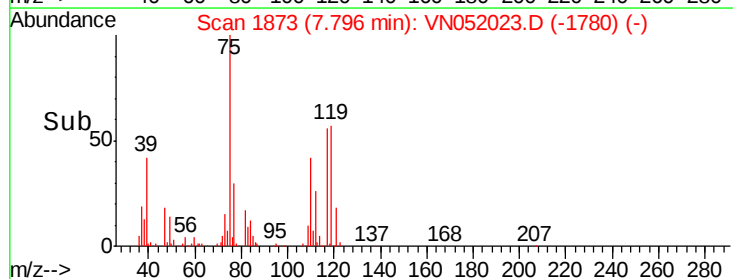
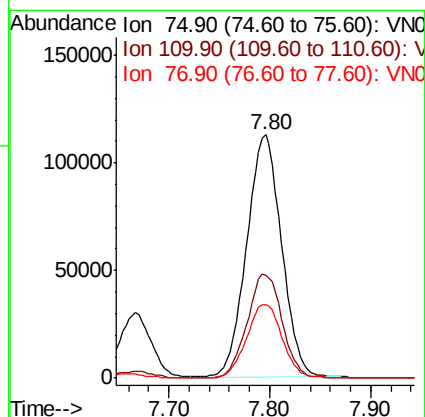
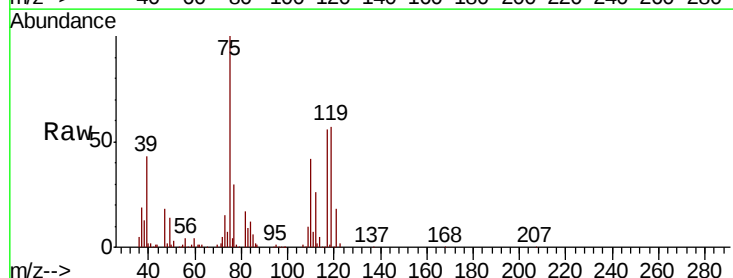
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

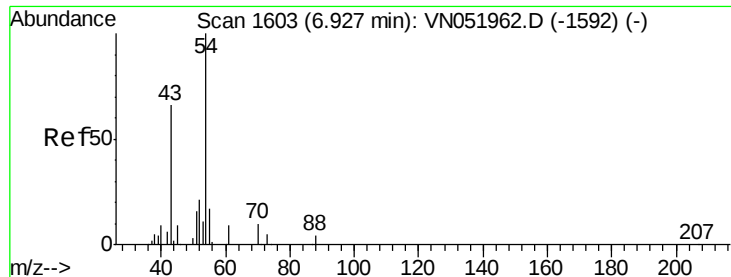
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	22.9	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 20.150 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.9	20.9	62.8
77	31.1	24.9	37.3

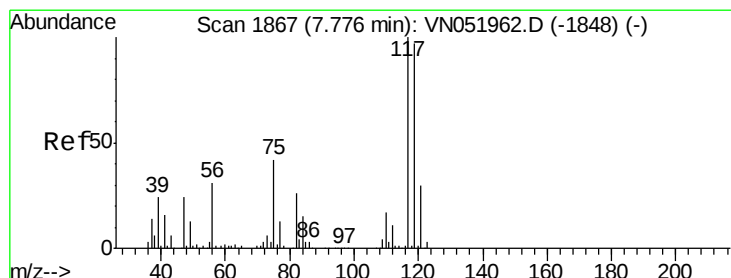
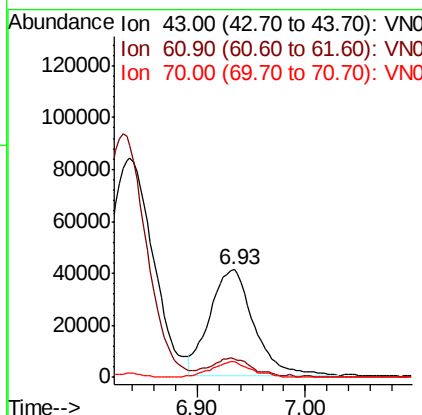
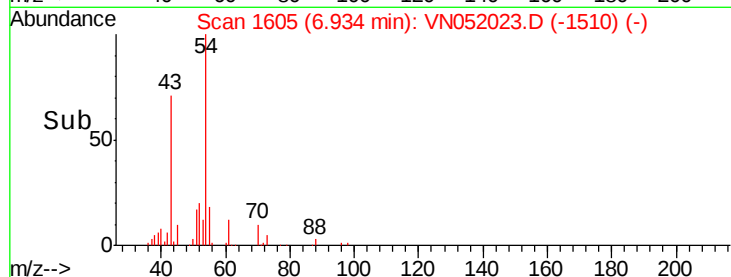
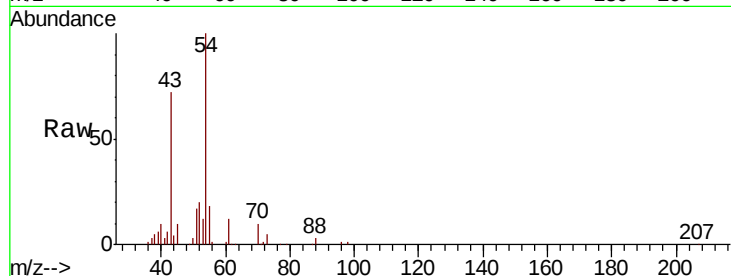




#37
Ethyl Acetate
Concen: 18.245 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

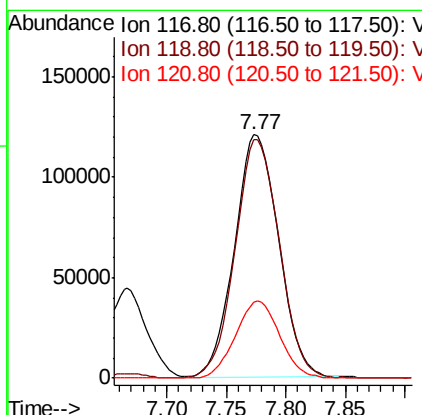
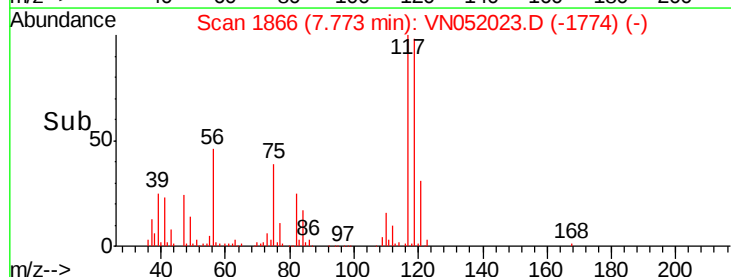
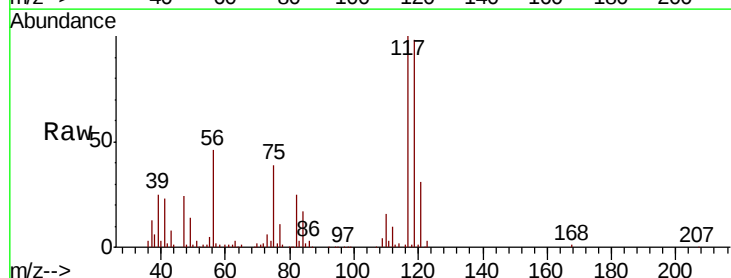
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

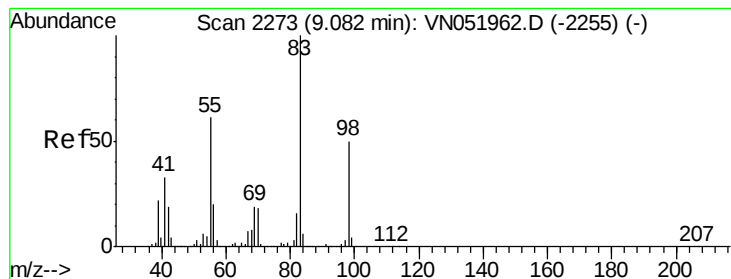
Tot Ion: 43 Resp: 116770
Ion Ratio Lower Upper
43 100
61 15.5 13.5 20.3
70 13.4 9.8 14.6



#38
Carbon Tetrachloride
Concen: 20.115 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 117 Resp: 310077
Ion Ratio Lower Upper
117 100
119 98.1 77.4 116.0
121 31.1 24.2 36.4





#39

Methvlcvclohexane

Concen: 20.244 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

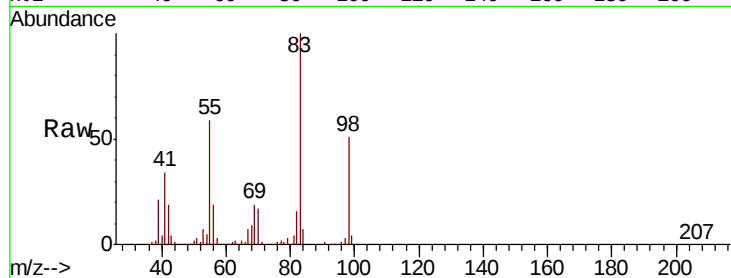
Tot Ion: 83 Resp: 332014

Ion Ratio Lower Upper

83 100

55 59.4 48.9 73.3

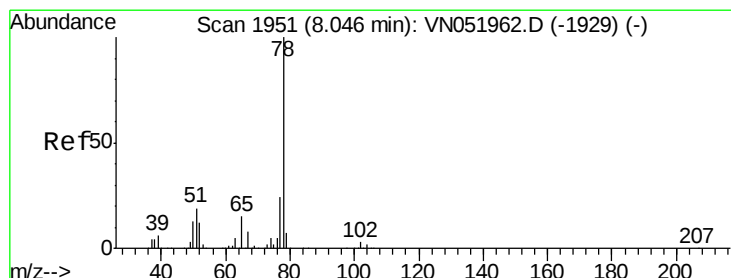
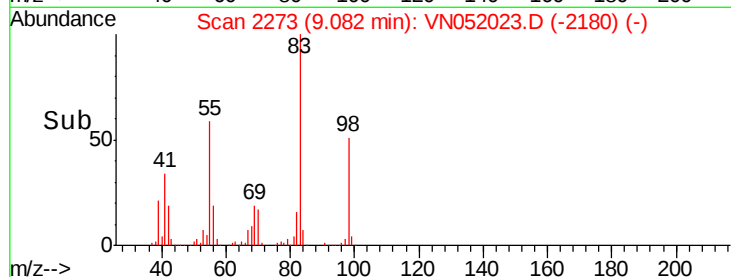
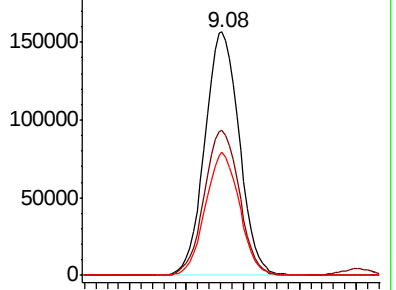
98 50.7 40.2 60.2



Abundance Ion 83.00 (82.70 to 83.70): VN051962.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN051962.D (-2255) (-)



#40

Benzene

Concen: 20.713 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052023.D

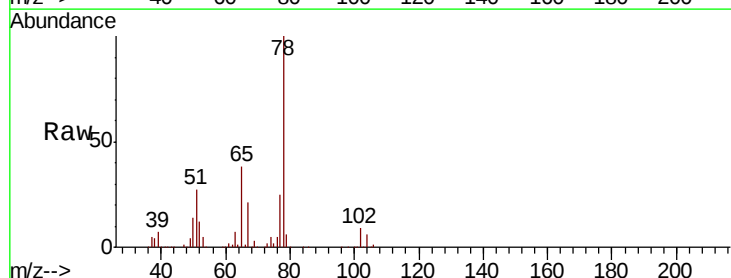
Acq: 26 Oct 2018 13:00

Tgt Ion: 78 Resp: 825815

Ion Ratio Lower Upper

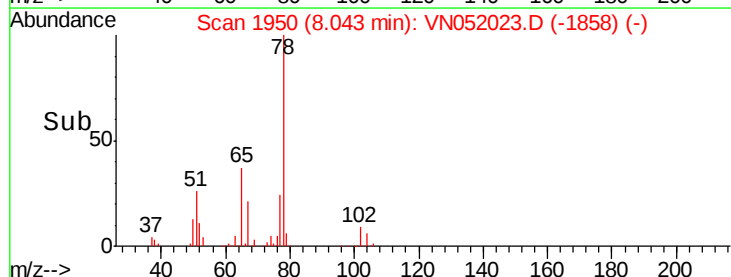
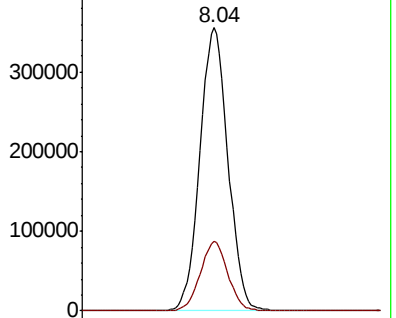
78 100

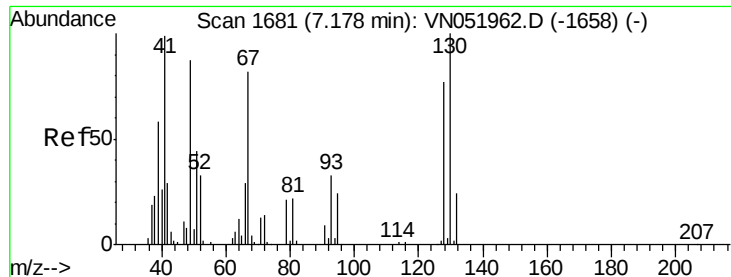
77 24.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN051962.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-1929) (-)





#41

Methacrylonitrile

Concen: 21.607 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 41 Resp: 65197

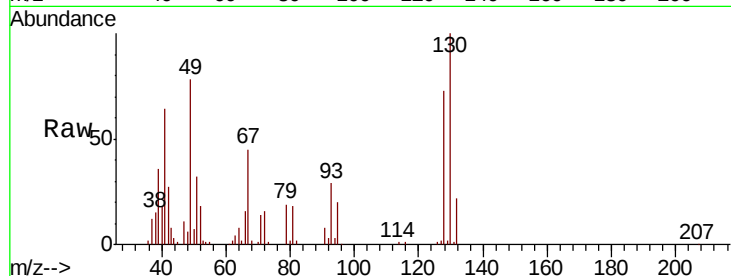
Ion Ratio Lower Upper

41 100

39 57.2 53.1 79.7

67 100.9 93.8 140.6

52 39.0 35.2 52.8

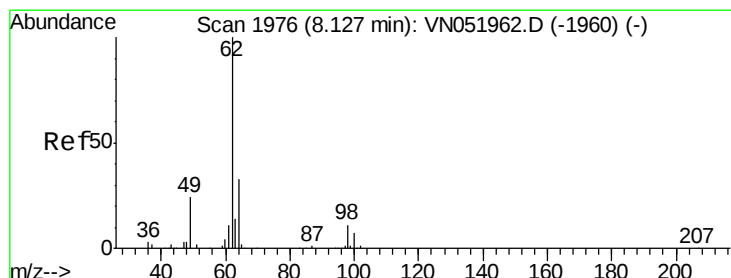
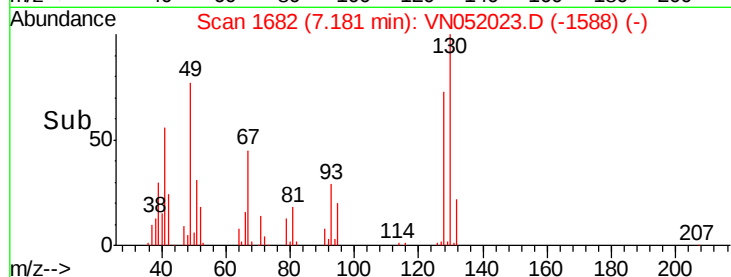
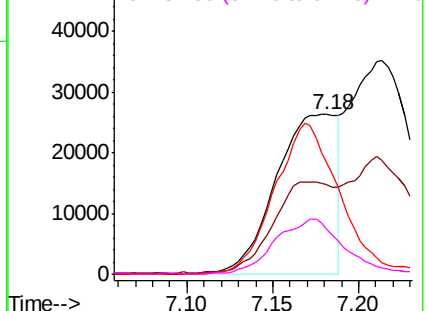


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-1658) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-1658) (-)

Ion 67.00 (66.70 to 67.70): VN051962.D (-1658) (-)

Ion 52.00 (51.70 to 52.70): VN051962.D (-1658) (-)



#42

1,2-Dichloroethane

Concen: 20.022 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052023.D

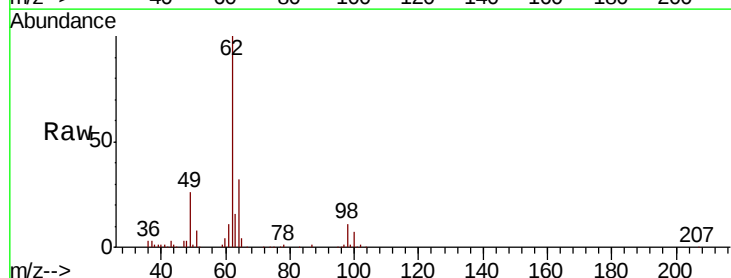
Acq: 26 Oct 2018 13:00

Tgt Ion: 62 Resp: 255939

Ion Ratio Lower Upper

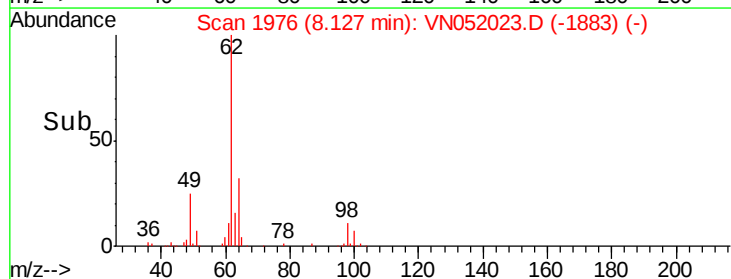
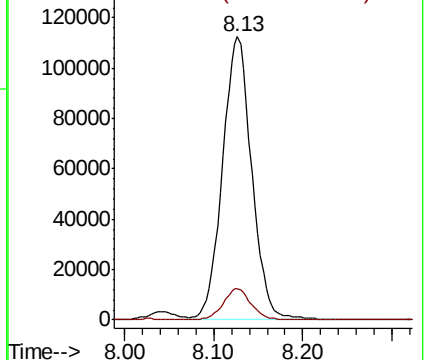
62 100

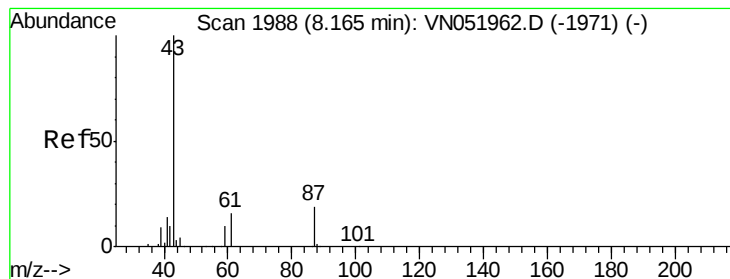
98 10.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VN051962.D (-1960) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1960) (-)





#43

Isopropyl Acetate

Concen: 19.337 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

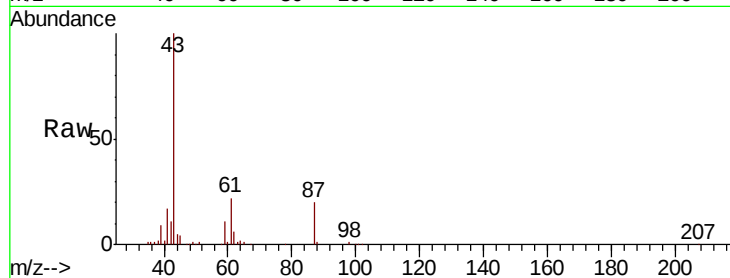
Tot Ion: 43 Resp: 217457

Ion Ratio Lower Upper

43 100

61 34.0 17.2 25.8#

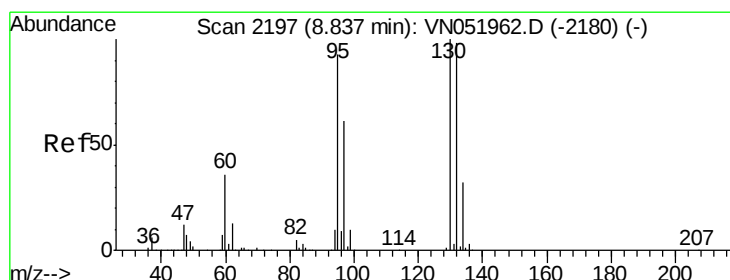
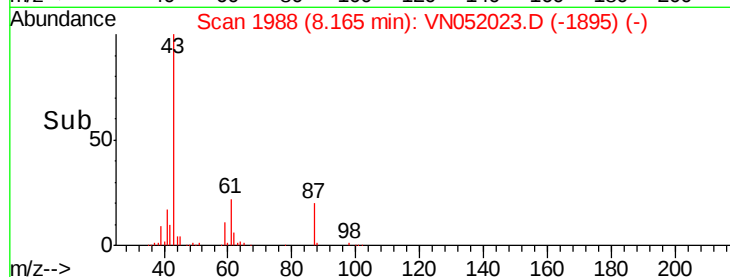
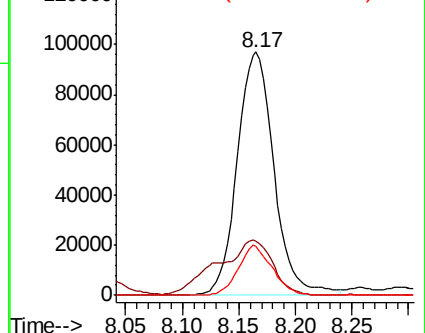
87 19.1 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 21.089 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052023.D

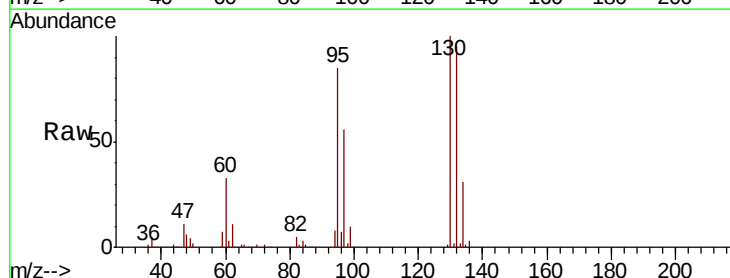
Acq: 26 Oct 2018 13:00

Tgt Ion: 130 Resp: 269874

Ion Ratio Lower Upper

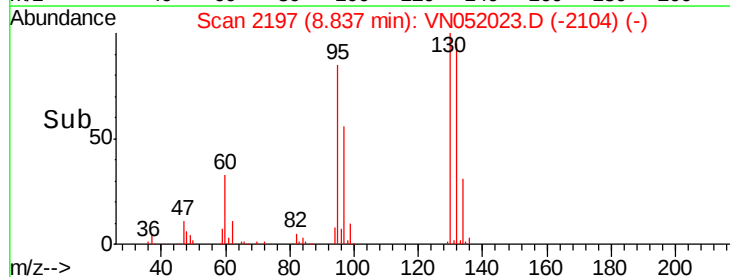
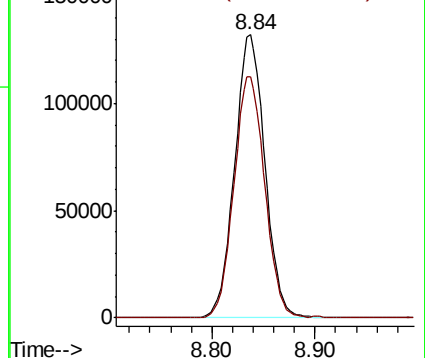
130 100

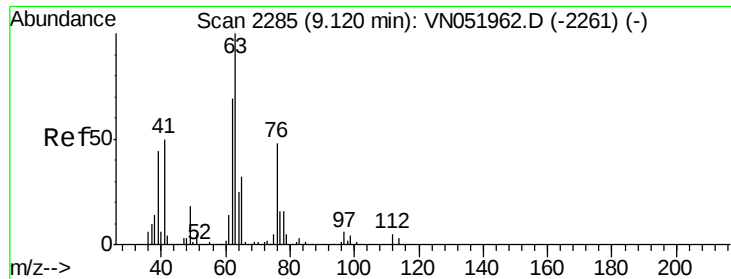
95 85.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)

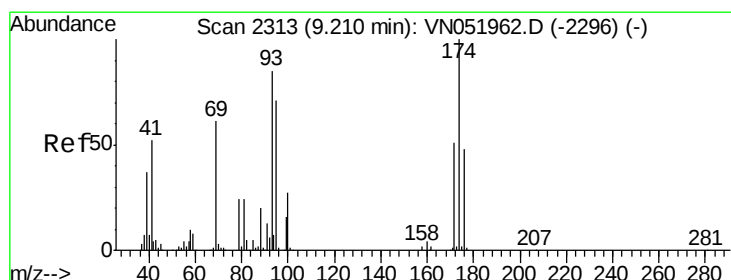
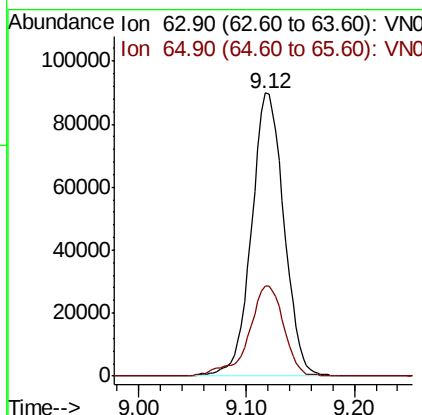
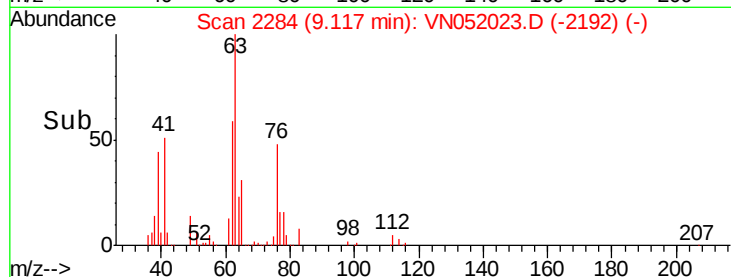
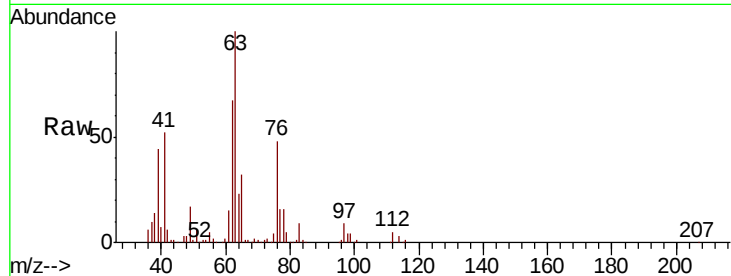




#45
 1,2-Dichloropropane
 Concen: 20.809 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

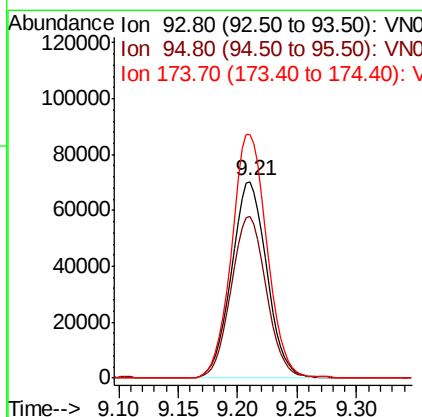
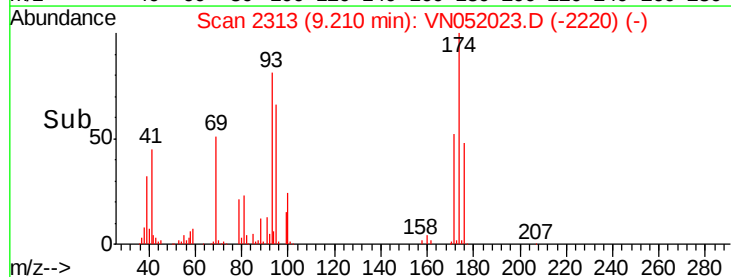
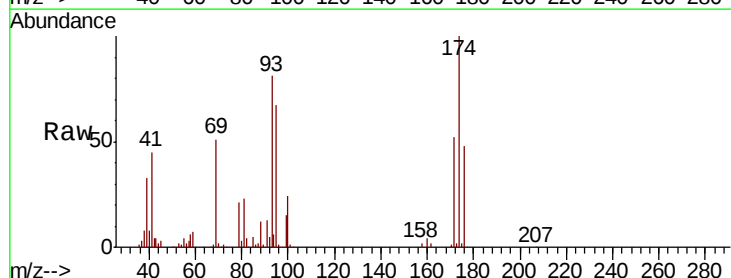
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

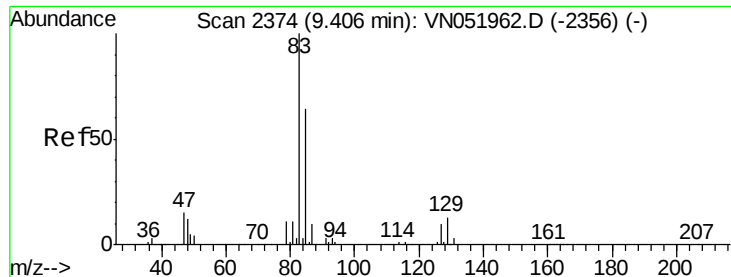
Tot Ion: 63 Resp: 187668
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.8 38.6



#46
 Dibromomethane
 Concen: 19.927 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 93 Resp: 144869
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 123.9 93.8 140.6





#47

Bromodichloromethane

Concen: 20.104 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

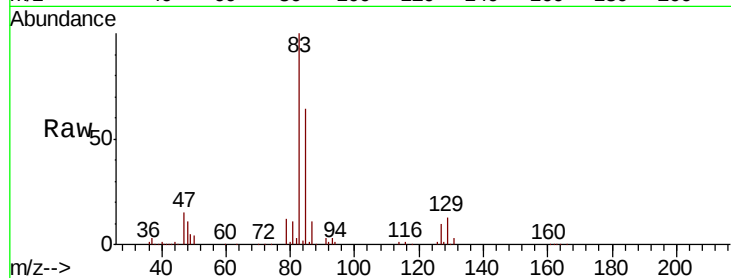
Tot Ion: 83 Resp: 276040

Ion Ratio Lower Upper

83 100

85 64.4 51.0 76.4

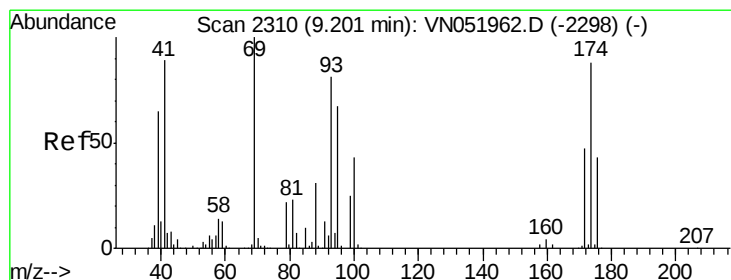
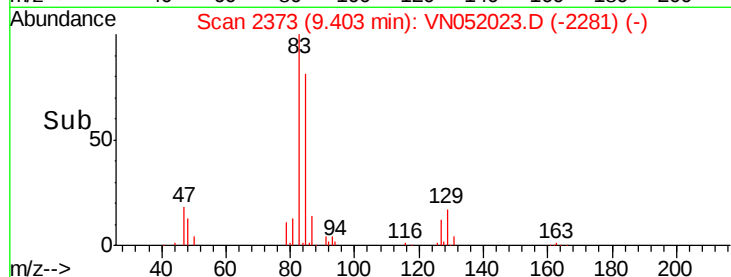
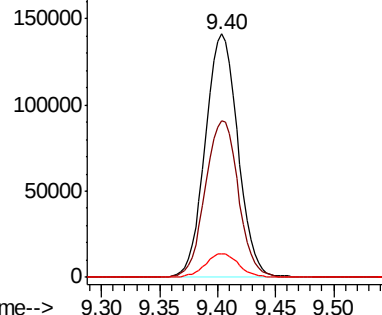
127 9.8 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 18.783 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

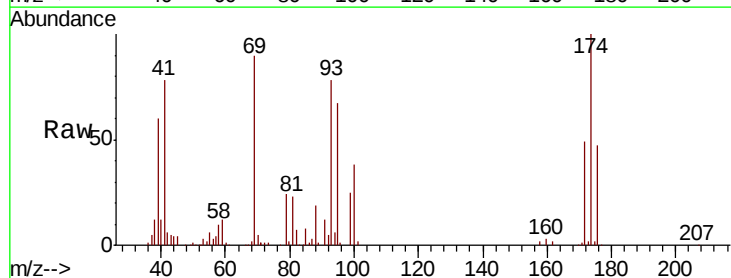
Tgt Ion: 41 Resp: 102092

Ion Ratio Lower Upper

41 100

69 119.4 92.2 138.4

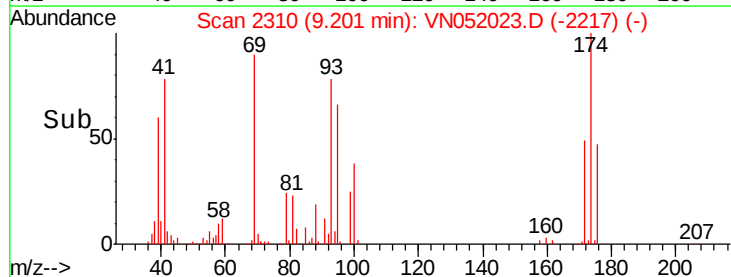
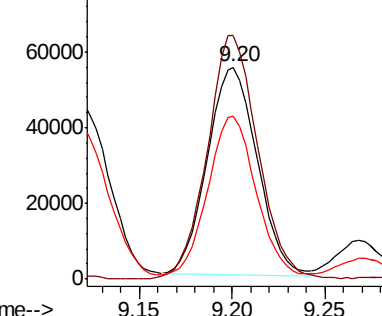
39 76.9 60.2 90.4

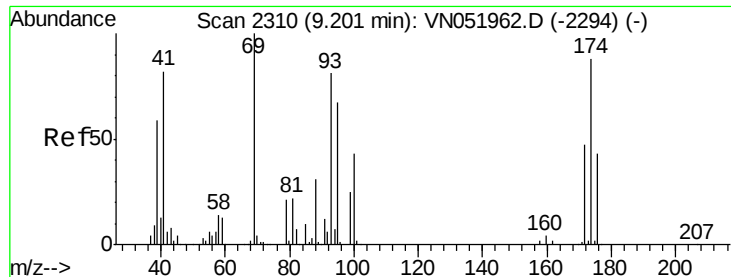


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)





#49

1,4-Dioxane

Concen: 285.039 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

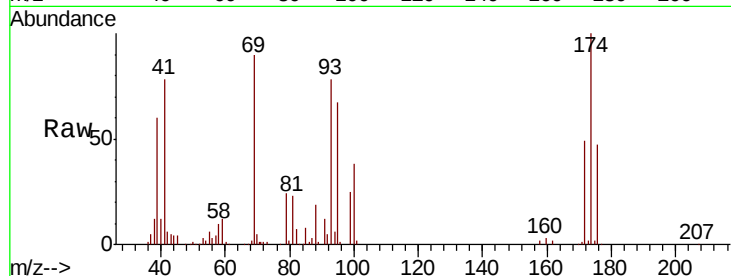
Tot Ion: 88 Resp: 28409

Ion Ratio Lower Upper

88 100

43 24.4 18.8 28.2

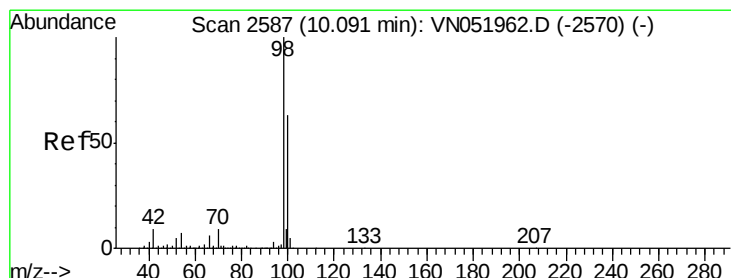
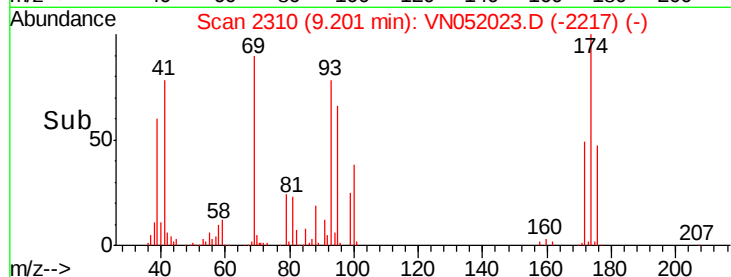
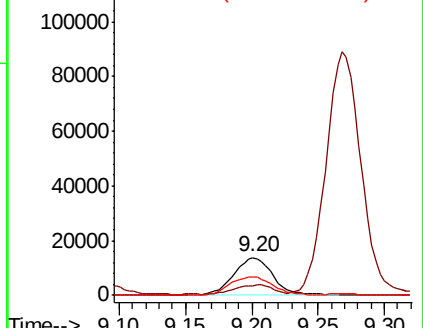
58 53.5 39.8 59.6



Abundance Ion 88.00 (87.70 to 88.70): VN051962.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051962.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2294) (-)



#50

Toluene-d8

Concen: 285.039 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052023.D

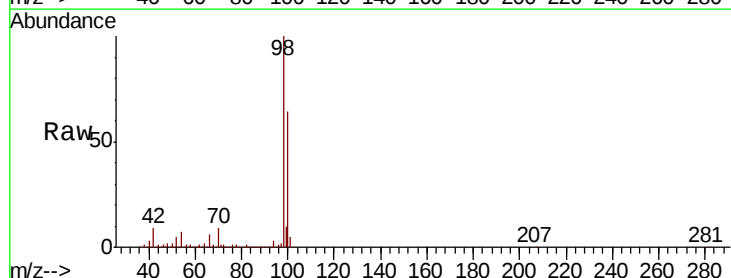
Acq: 26 Oct 2018 13:00

Tgt Ion: 98 Resp: 2036415

Ion Ratio Lower Upper

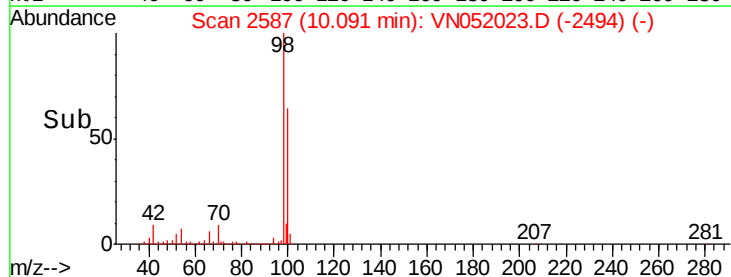
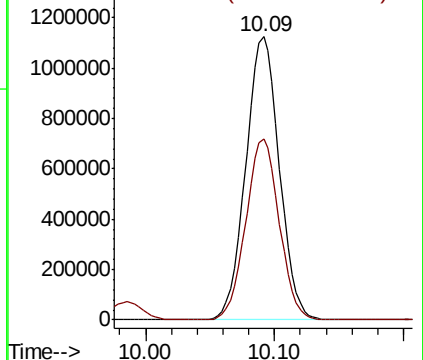
98 100

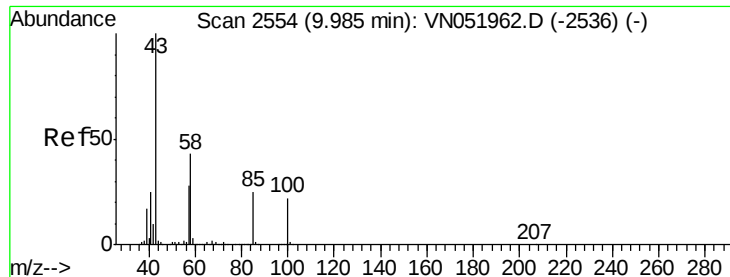
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 94.268 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

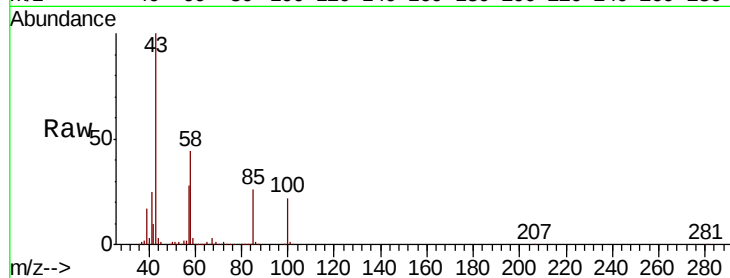
VN1026WBSD01

Tot Ion: 43 Resp: 583113

Ion Ratio Lower Upper

43 100

58 43.7 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.99

300000

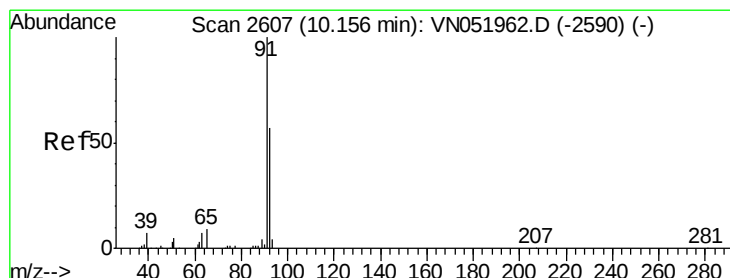
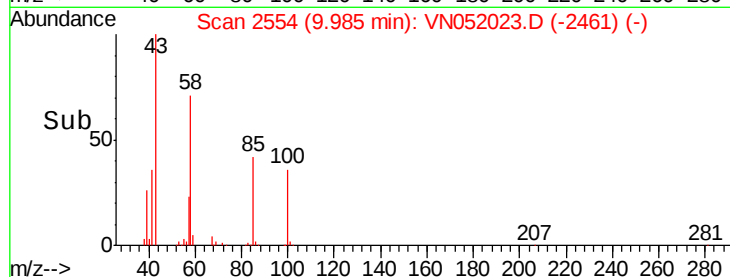
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 20.809 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052023.D

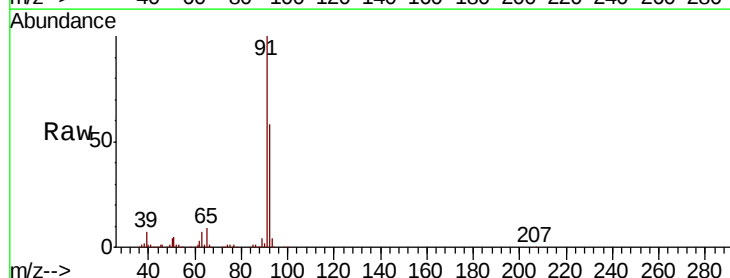
Acq: 26 Oct 2018 13:00

Tgt Ion: 92 Resp: 562587

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)

10.16

600000

500000

400000

300000

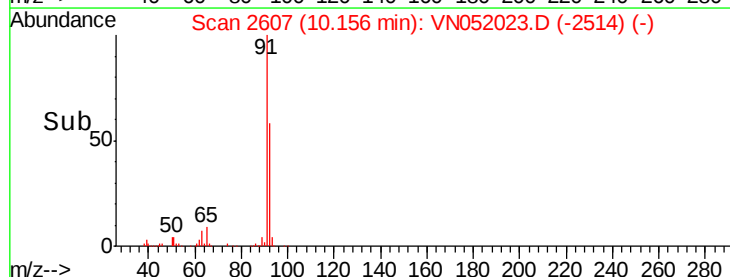
200000

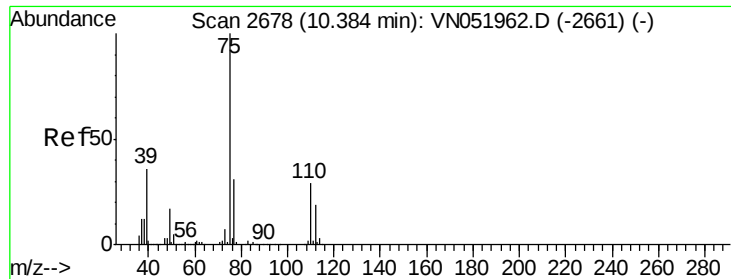
100000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.694 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

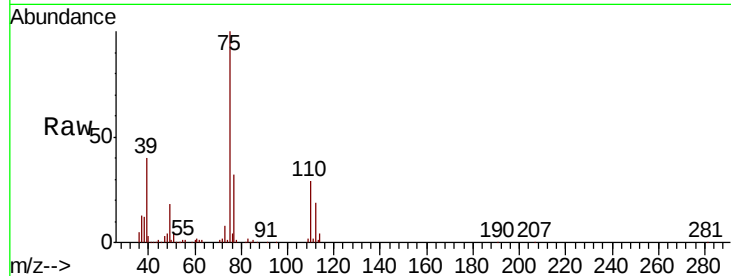
VN1026WBSD01

Tot Ion: 75 Resp: 250931

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

150000

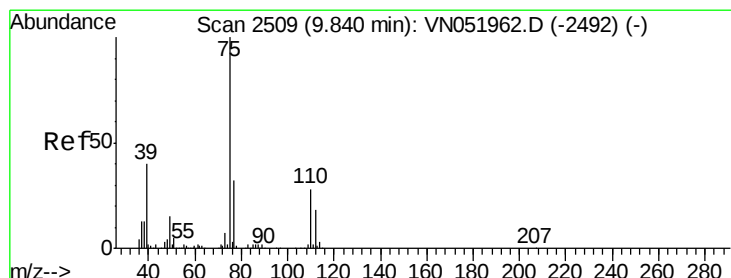
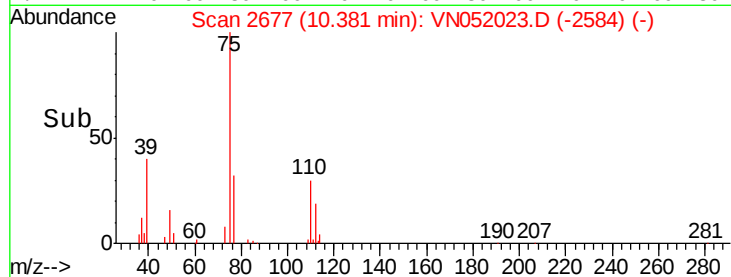
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 20.309 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

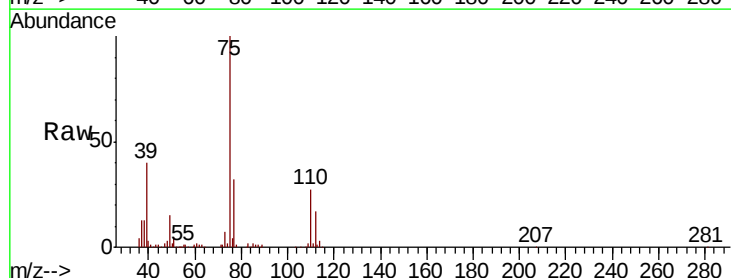
Tgt Ion: 75 Resp: 291451

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 39.6 32.0 48.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

150000

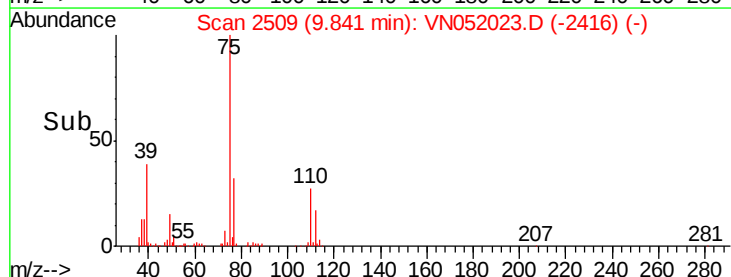
100000

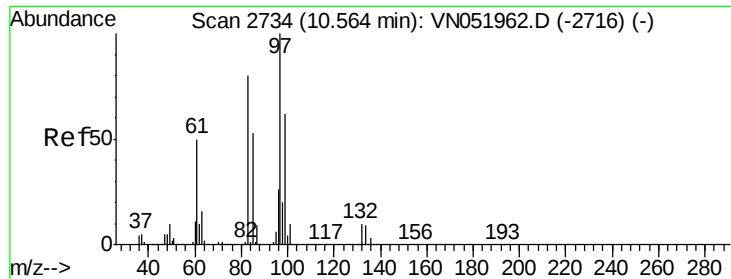
50000

0

Time-->

9.75 9.80 9.85 9.90

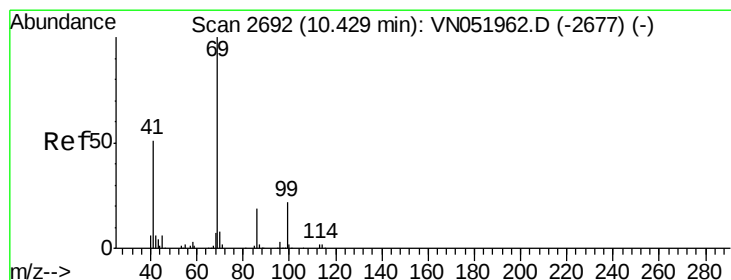
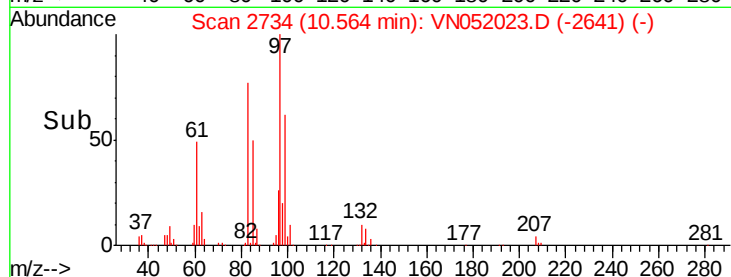
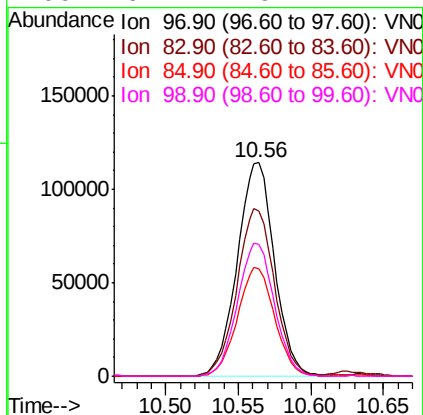
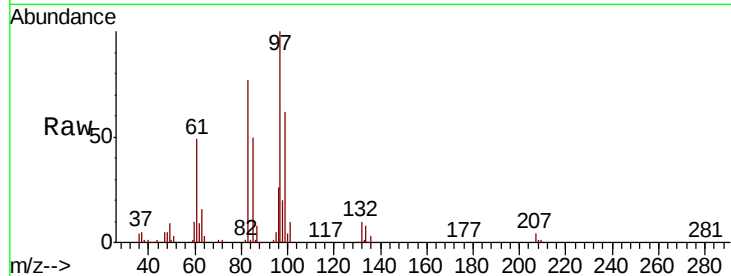




#55
 1,1,2-Trichloroethane
 Concen: 20.428 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

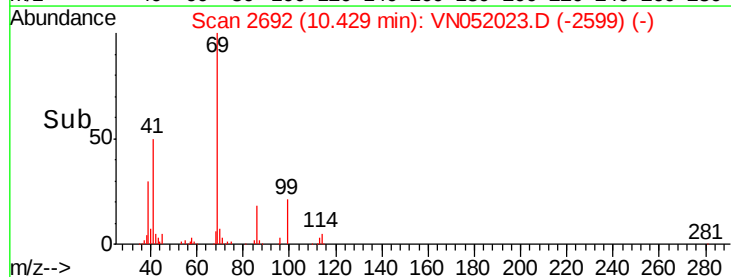
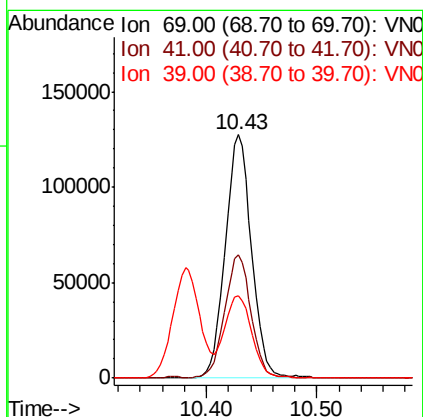
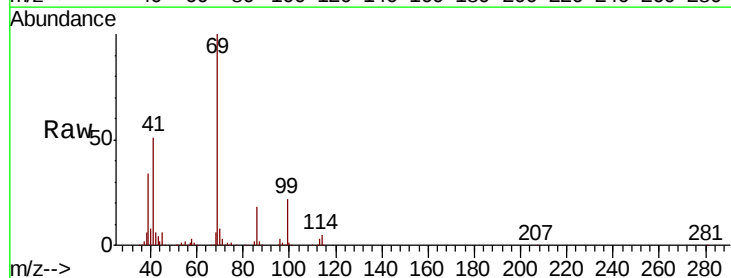
Instrument :
 MSVOA_N
 ClientSampled :
 VN1026WBSD01

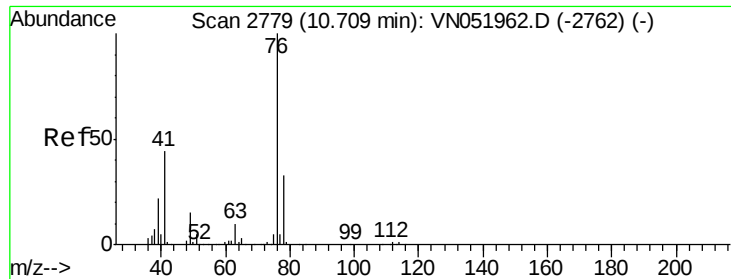
Tot Ion:	97	Resp:	204054
Ion	Ratio	Lower	Upper
97	100		
83	77.3	64.0	96.0
85	50.2	42.4	63.6
99	61.7	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 19.575 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion:	69	Resp:	210188
Ion	Ratio	Lower	Upper
69	100		
41	49.9	40.7	61.1
39	35.1	29.3	43.9

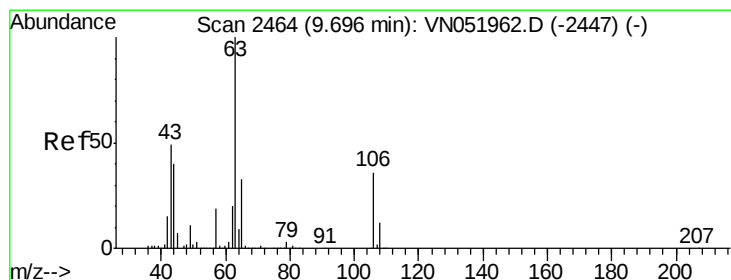
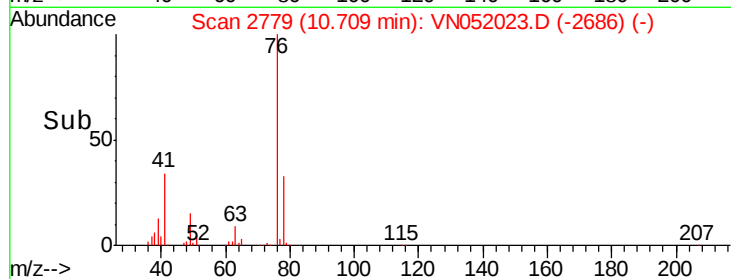
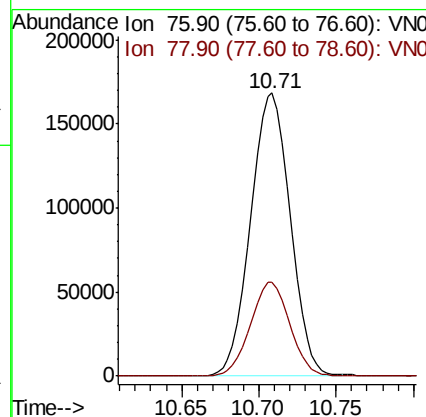
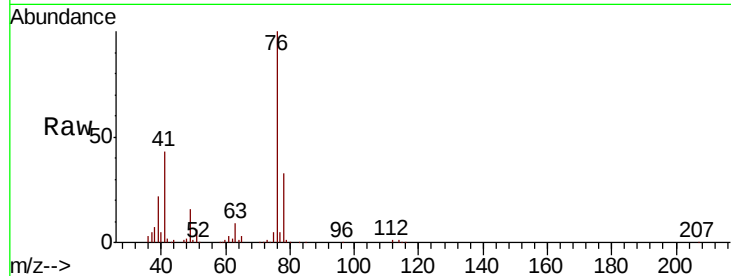




#57
 1,3-Dichloropropane
 Concen: 19.837 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

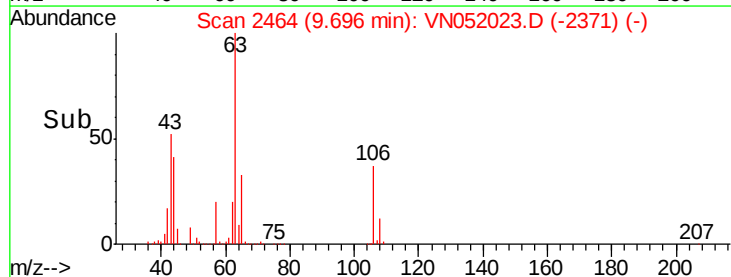
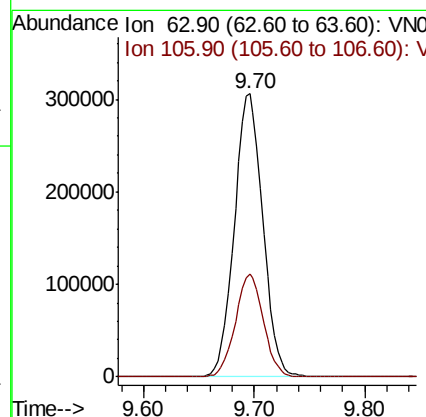
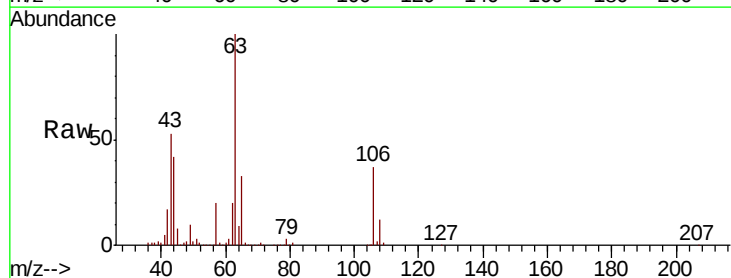
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

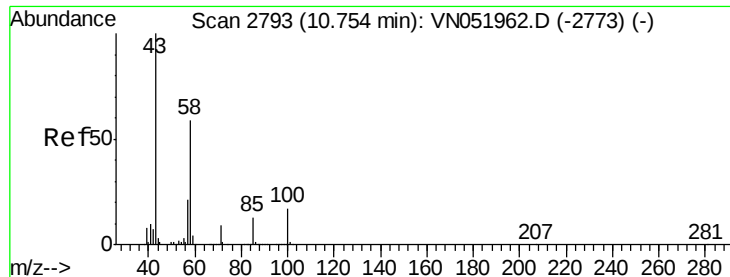
Tot Ion: 76 Resp: 300817
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.351 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 63 Resp: 546946
 Ion Ratio Lower Upper
 63 100
 106 35.7 28.3 42.5

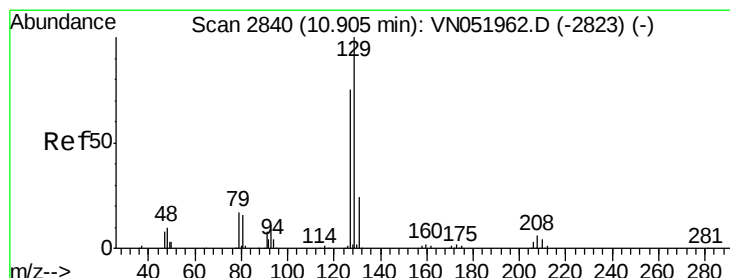
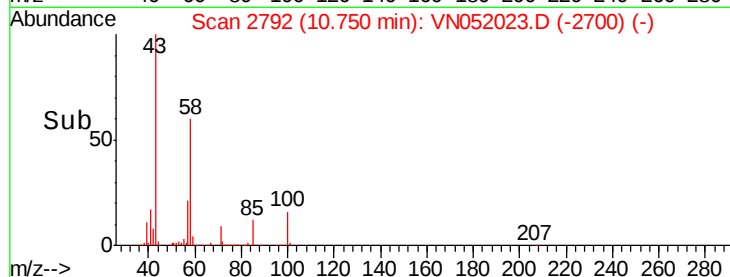
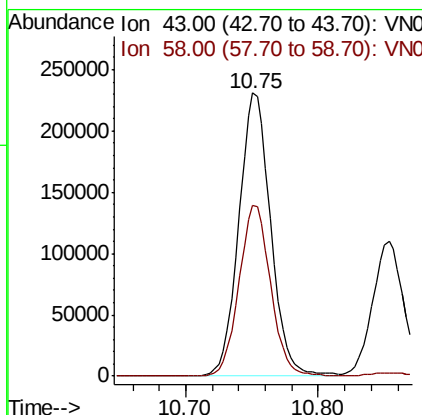
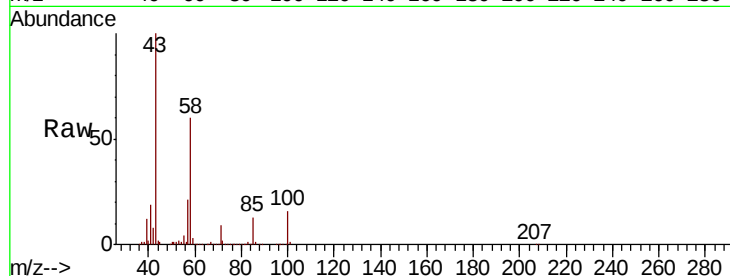




#59
2-Hexanone
Concen: 92.433 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

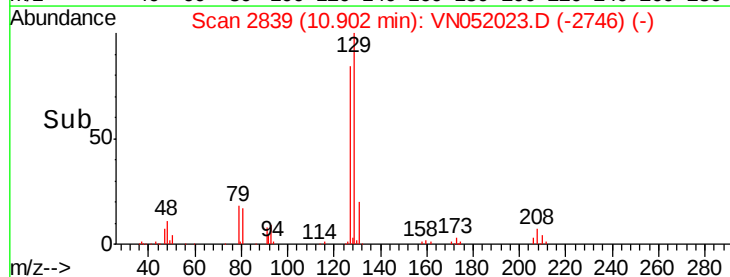
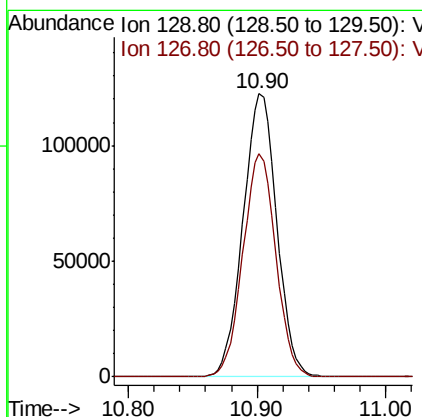
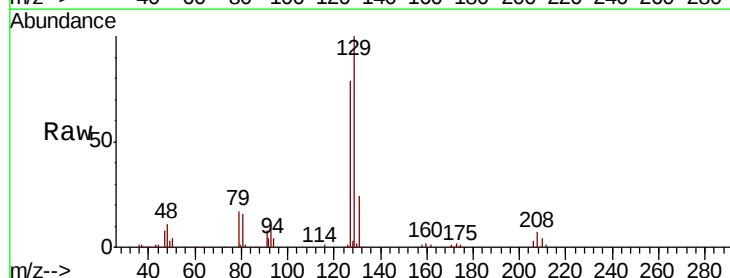
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

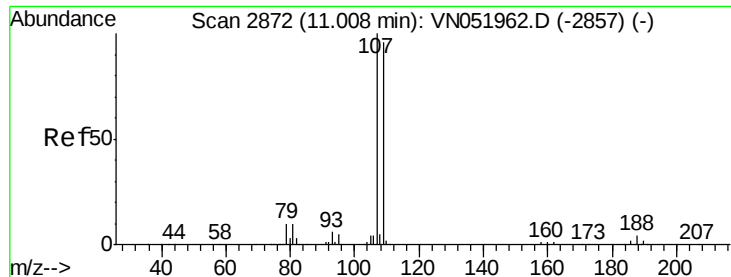
Tot Ion: 43 Resp: 384163
Ion Ratio Lower Upper
43 100
58 60.0 29.9 89.8



#60
Dibromochloromethane
Concen: 18.801 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 129 Resp: 223209
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.0

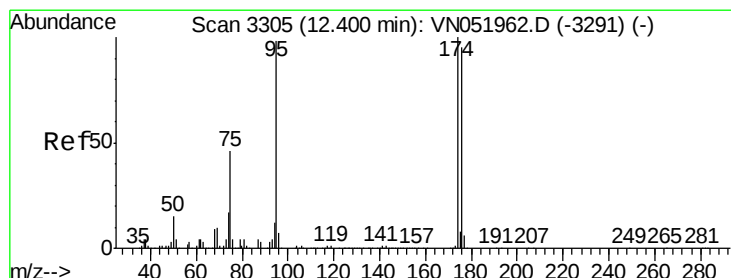
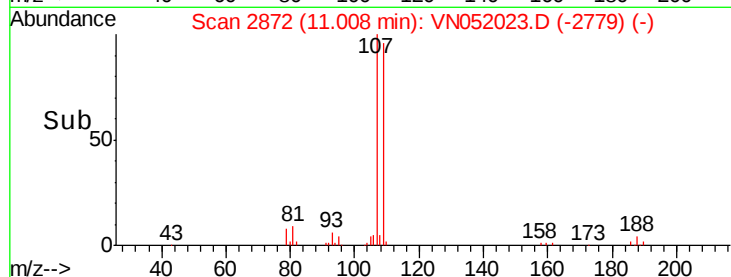
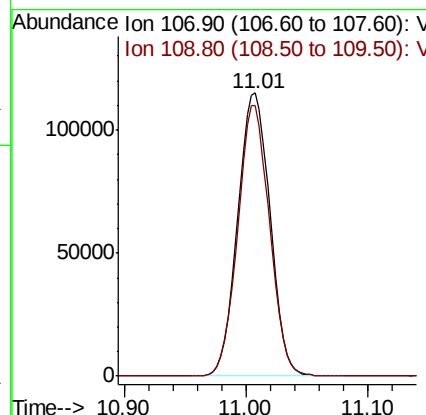
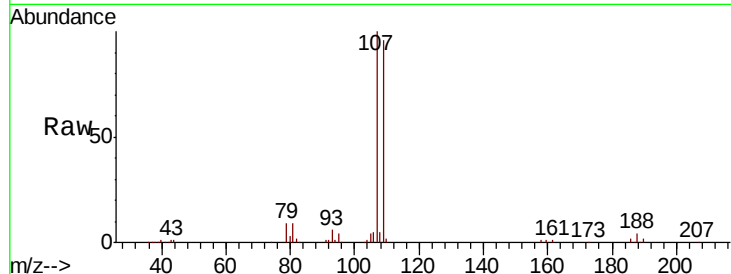




#61
 1,2-Dibromoethane
 Concen: 20.037 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

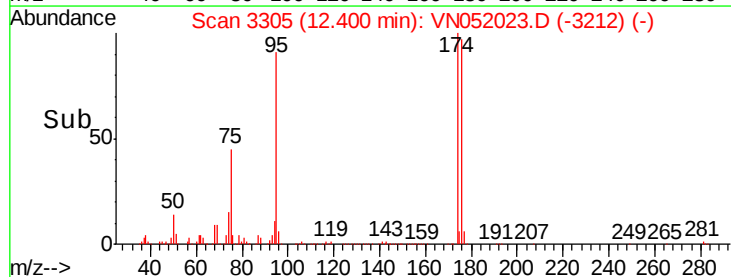
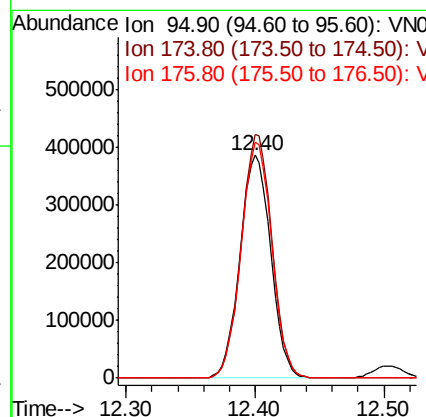
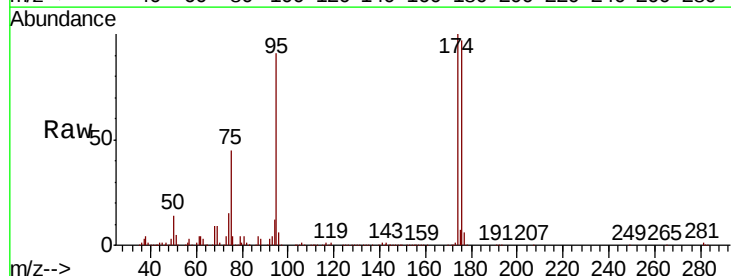
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

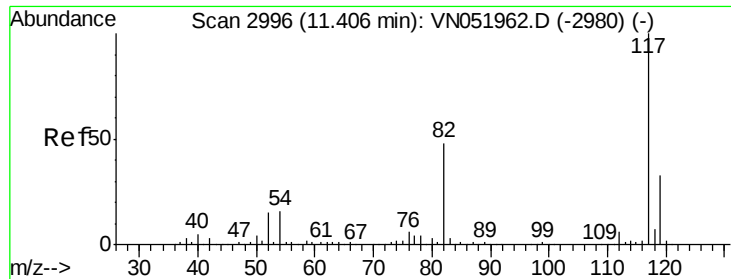
Tot Ion:107 Resp: 211028
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 20.037 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 95 Resp: 643835
 Ion Ratio Lower Upper
 95 100
 174 108.6 0.0 206.0
 176 105.5 0.0 198.0

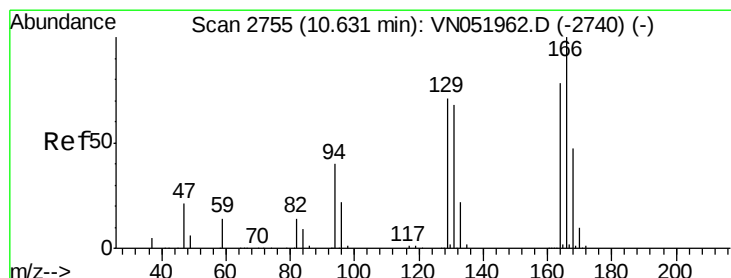
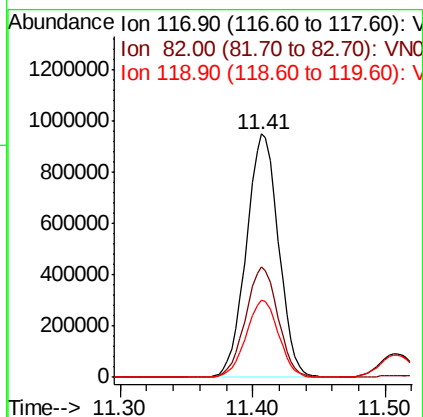
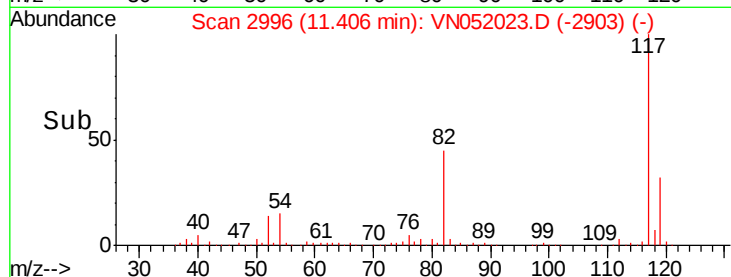
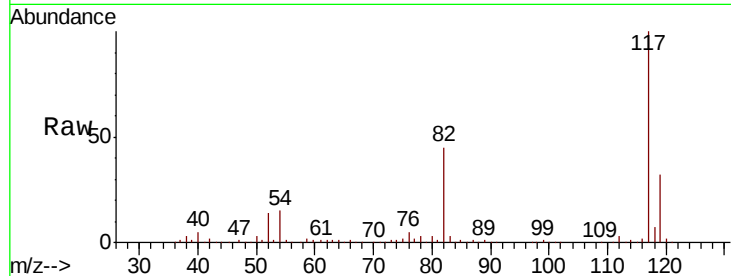




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

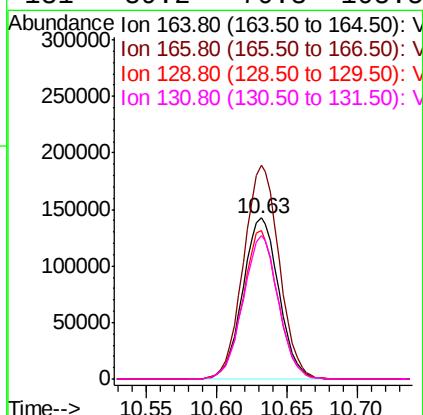
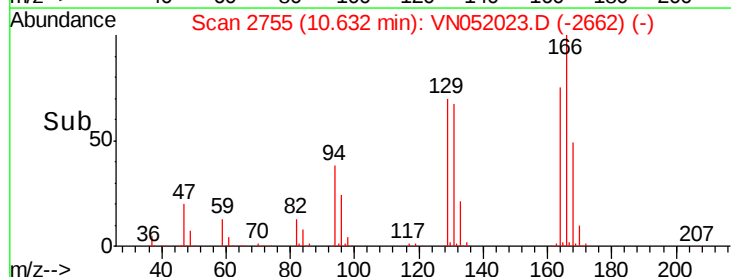
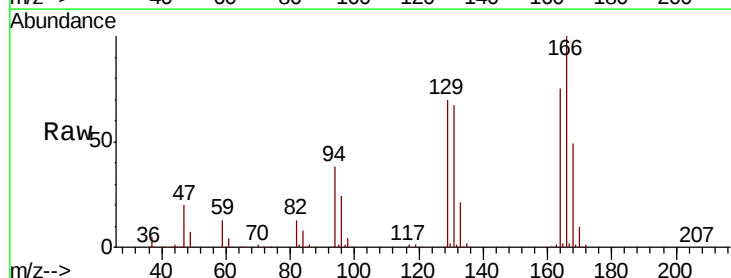
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

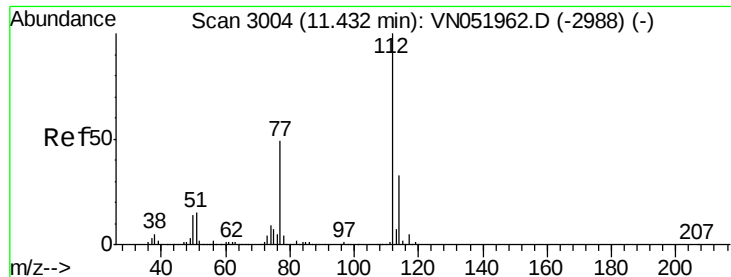
Tot Ion:117 Resp: 1605772
Ion Ratio Lower Upper
117 100
82 45.4 38.1 57.1
119 31.8 26.4 39.6



#64
Tetrachloroethene
Concen: 20.661 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:164 Resp: 254641
Ion Ratio Lower Upper
164 100
166 132.6 103.1 154.7
129 92.2 73.6 110.4
131 89.2 70.3 105.5

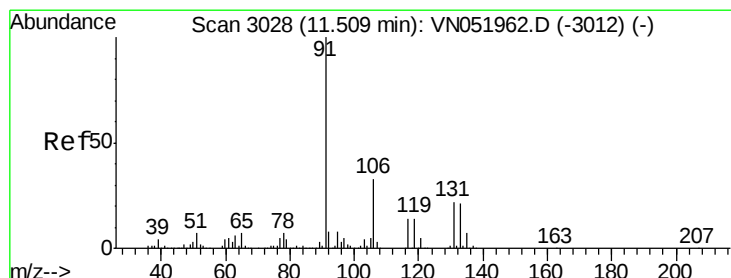
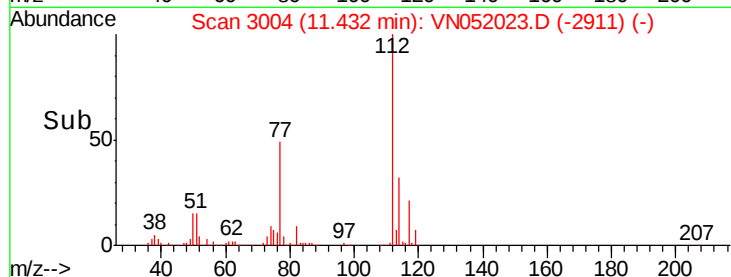
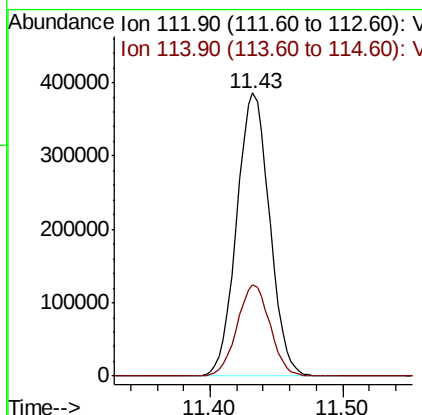
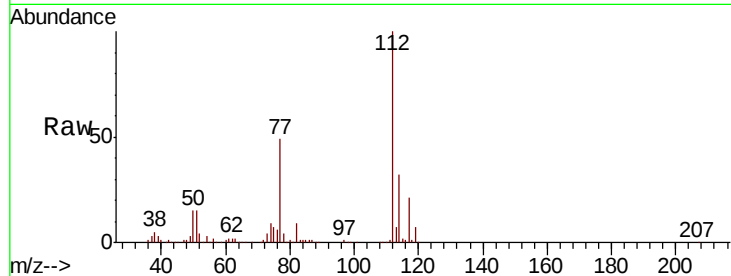




#65
Chlorobenzene
Concen: 20.486 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

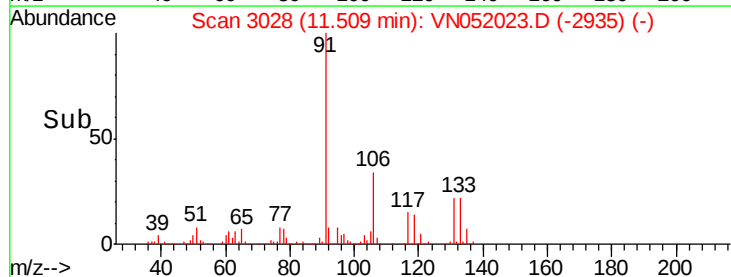
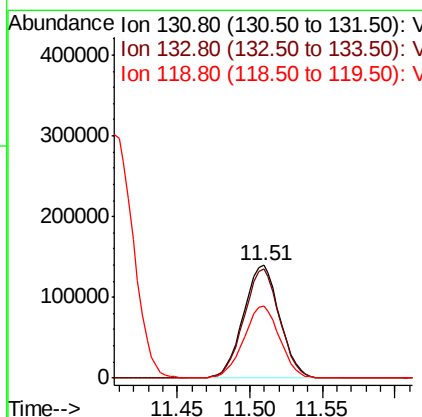
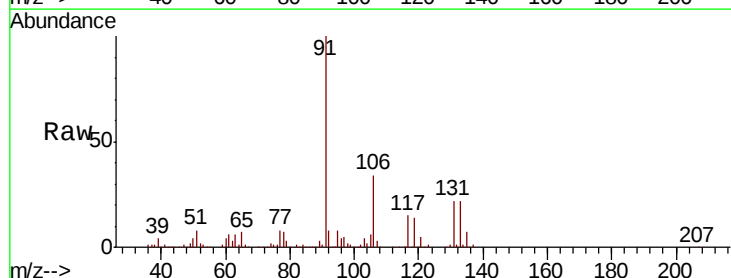
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

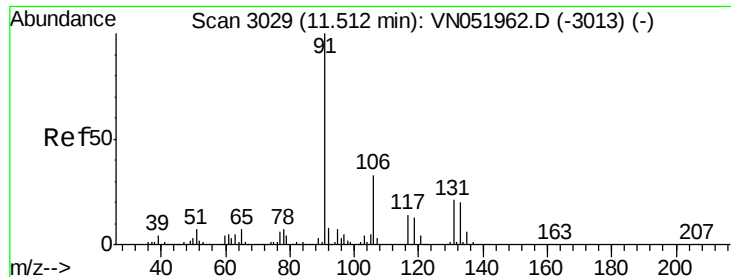
Tot Ion:112 Resp: 664174
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:131 Resp: 242704
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 63.5 32.0 96.2

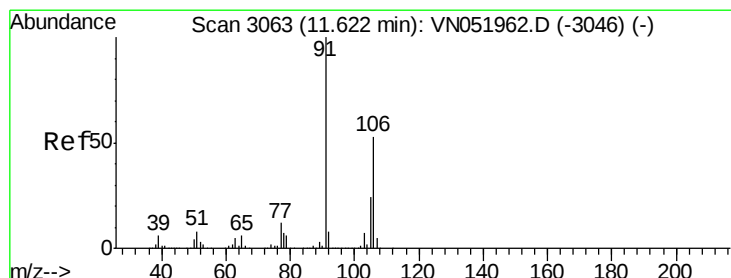
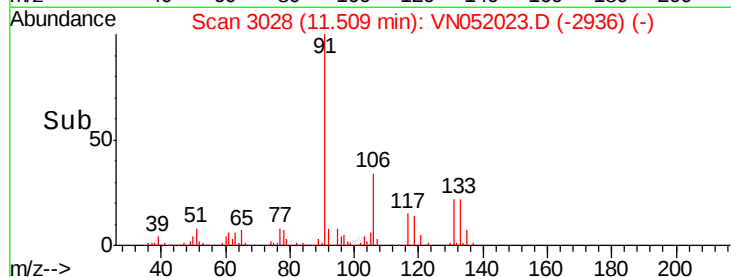
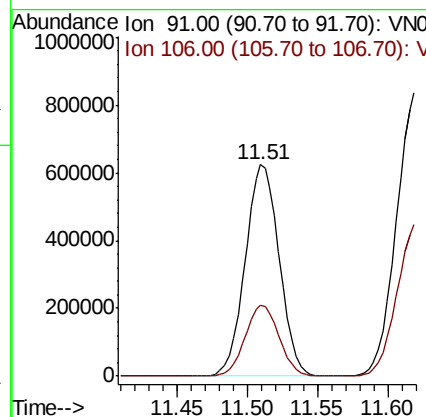
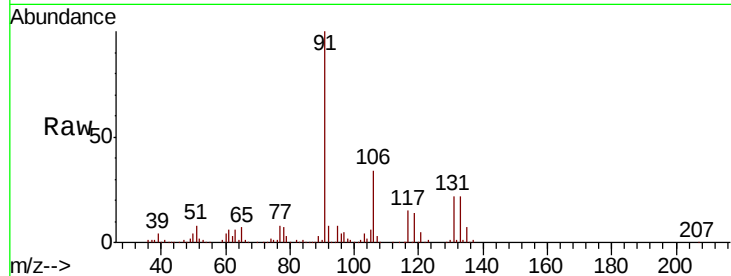




#67
Ethyl Benzene
Concen: 20.201 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

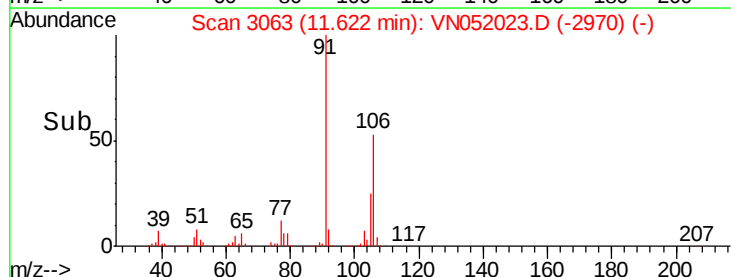
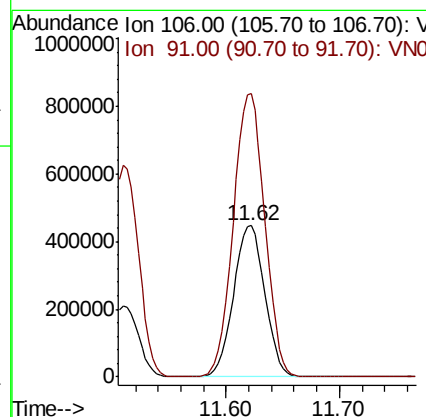
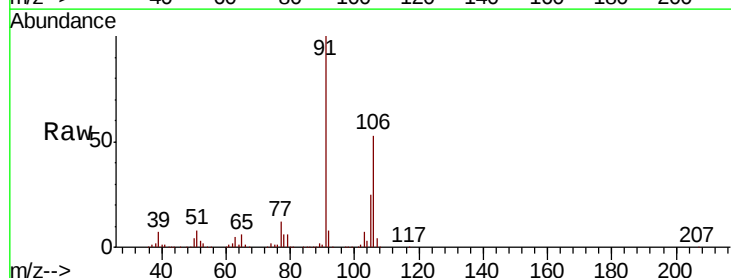
Instrument :
MSVOA_N
ClientSampled :
VN1026WBSD01

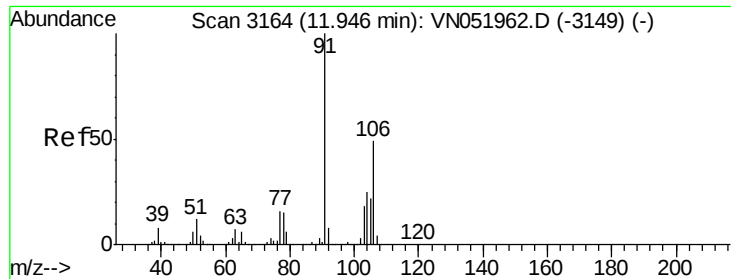
Tot Ion: 91 Resp: 1052745
Ion Ratio Lower Upper
91 100
106 33.6 26.4 39.6



#68
m/p-Xylenes
Concen: 41.225 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 106 Resp: 858389
Ion Ratio Lower Upper
106 100
91 188.3 152.2 228.2

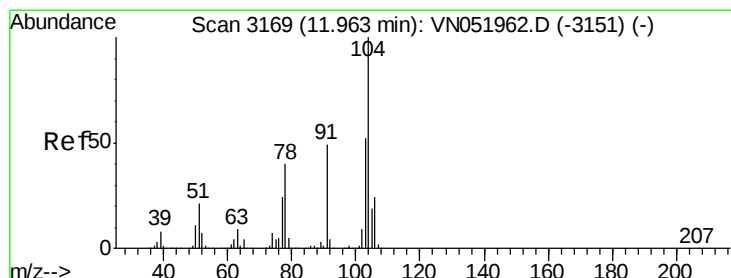
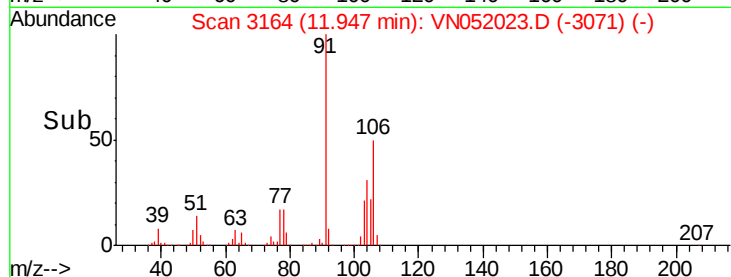
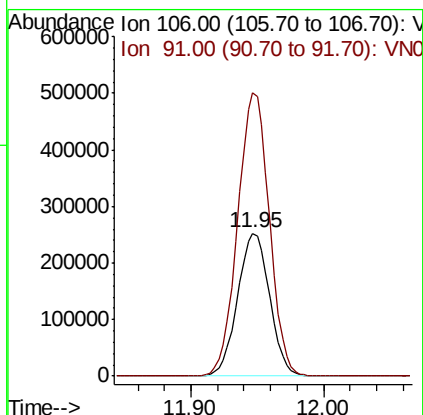
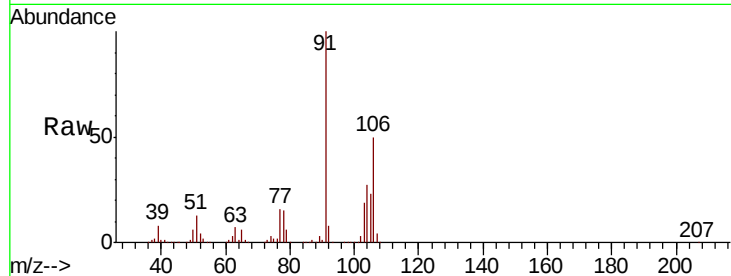




#69
o-Xylene
Concen: 20.822 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

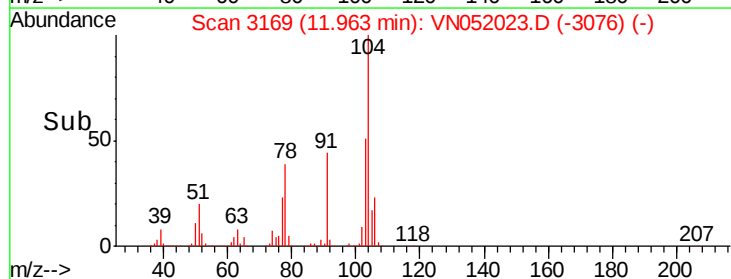
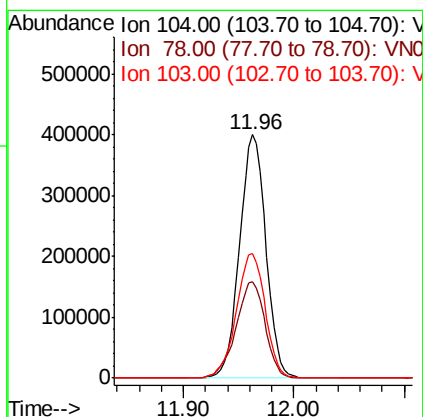
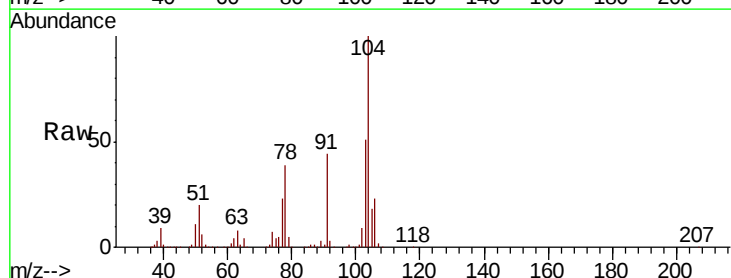
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

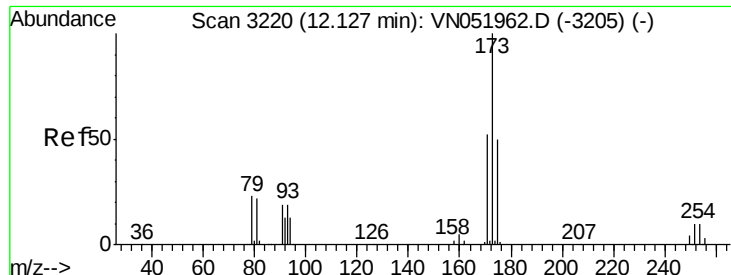
Tot Ion:106 Resp: 421642
Ion Ratio Lower Upper
106 100
91 196.7 101.0 303.0



#70
Styrene
Concen: 20.396 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:104 Resp: 660124
Ion Ratio Lower Upper
104 100
78 43.7 35.8 53.6
103 56.2 44.9 67.3





#71

Bromoform

Concen: 18.245 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

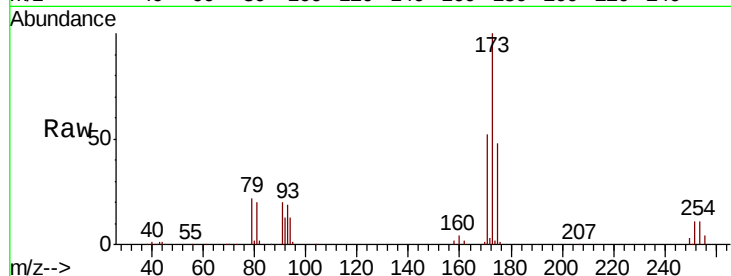
Tot Ion:173 Resp: 135753

Ion Ratio Lower Upper

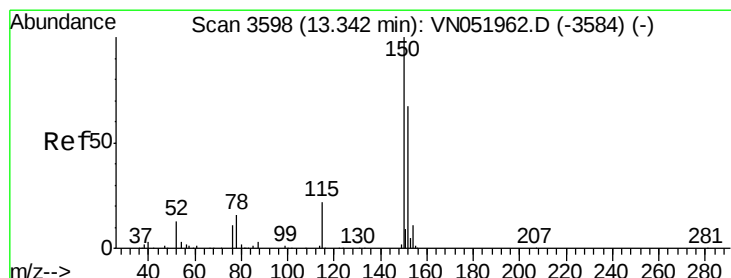
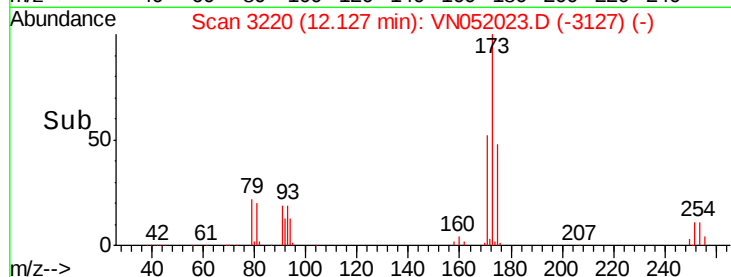
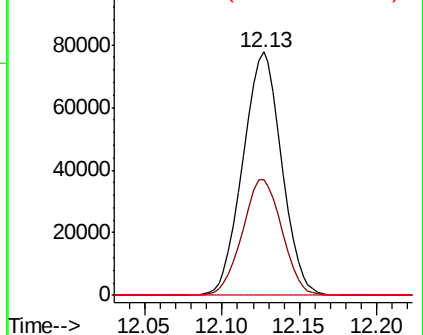
173 100

175 48.6 24.6 74.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

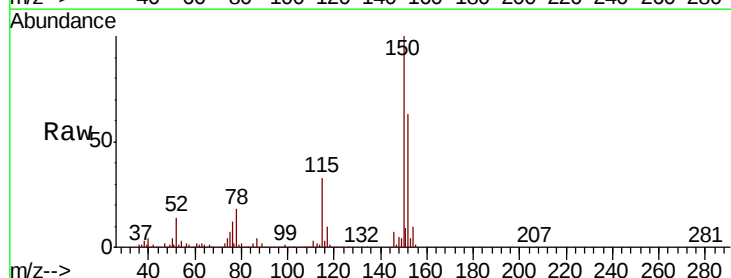
Tgt Ion:152 Resp: 777363

Ion Ratio Lower Upper

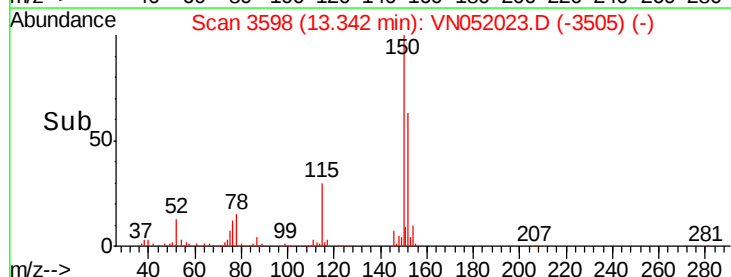
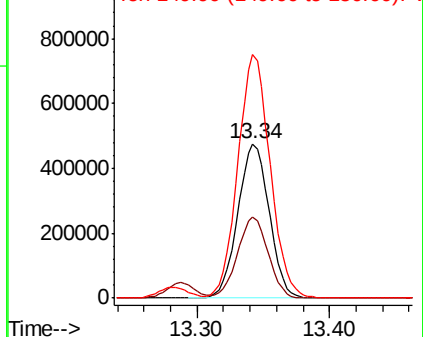
152 100

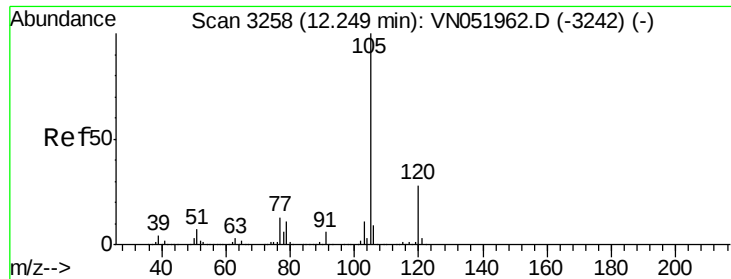
115 51.5 25.8 77.3

150 163.1 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.292 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

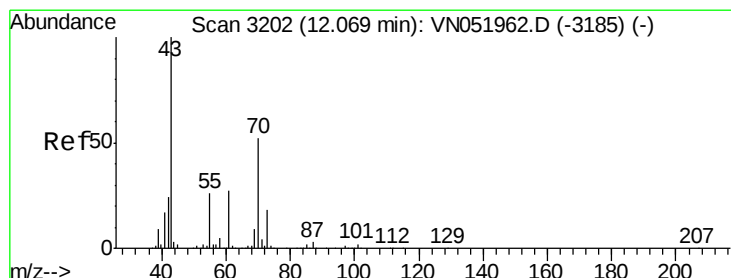
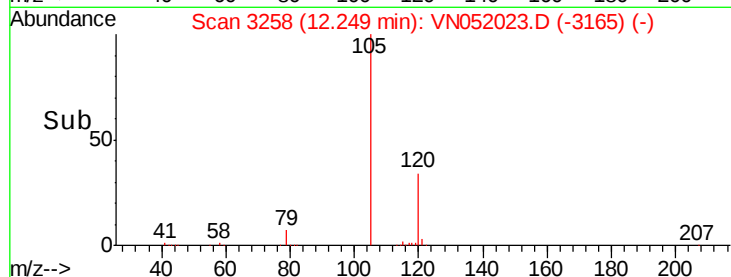
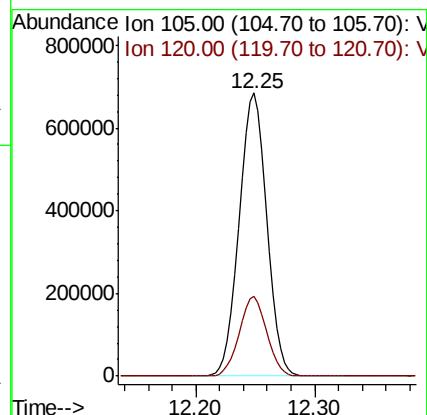
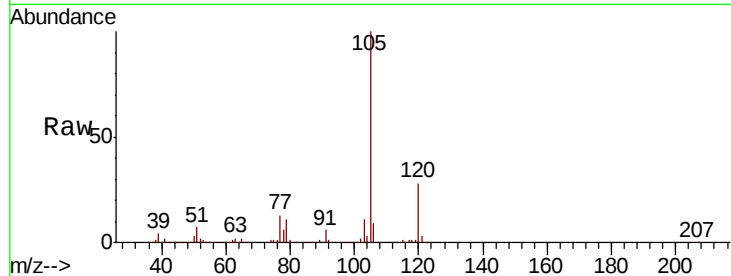
VN1026WBSD01

Tot Ion:105 Resp: 1099023

Ion Ratio Lower Upper

105 100

120 28.0 14.0 41.9



#74

N-ethyl acetate

Concen: 18.796 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Tgt Ion: 43 Resp: 182395

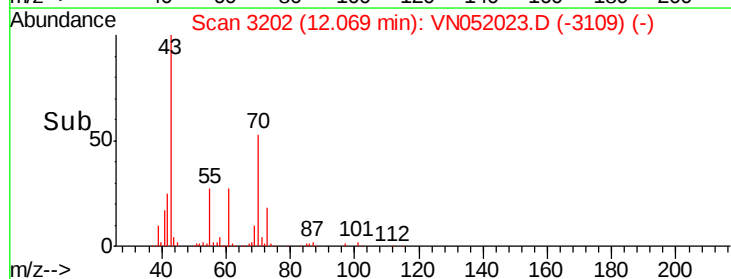
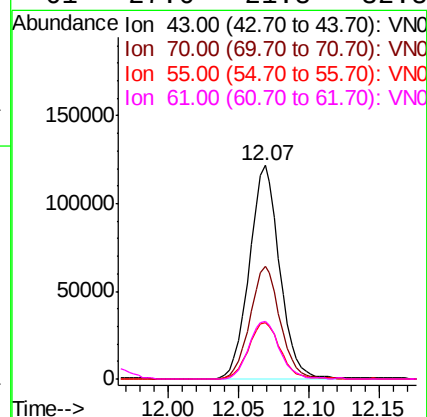
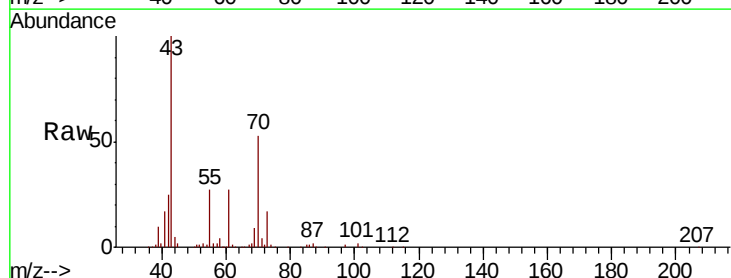
Ion Ratio Lower Upper

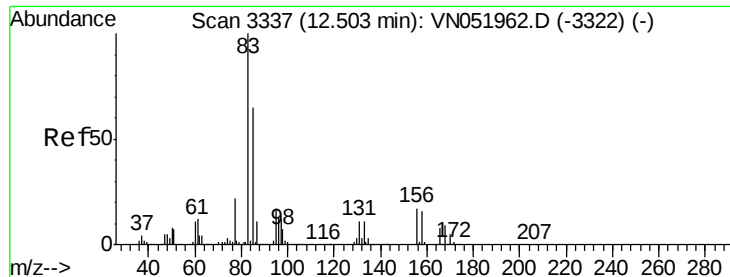
43 100

70 53.1 41.3 61.9

55 28.0 21.2 31.8

61 27.6 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.790 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

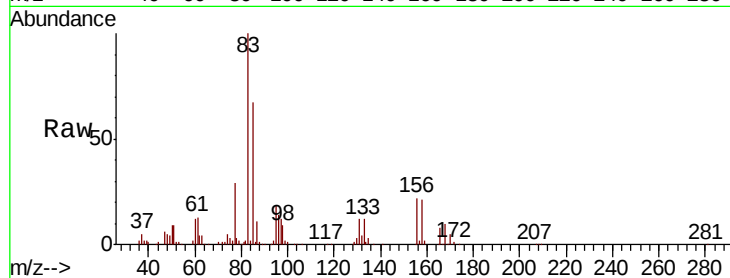
Tot Ion: 83 Resp: 201598

Ion Ratio Lower Upper

83 100

131 12.8 6.2 18.6

85 65.8 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

12.50

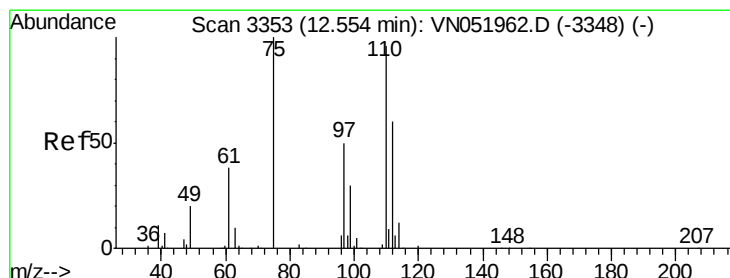
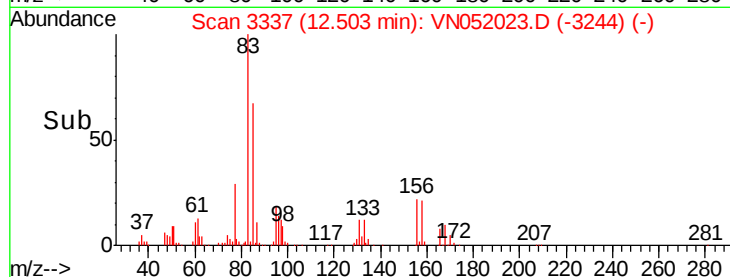
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.048 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052023.D

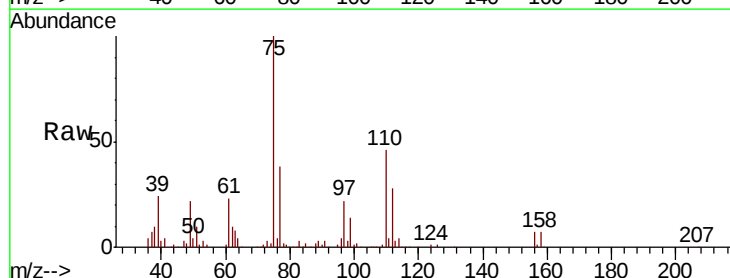
Acq: 26 Oct 2018 13:00

Tgt Ion: 75 Resp: 241278

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

200000

150000

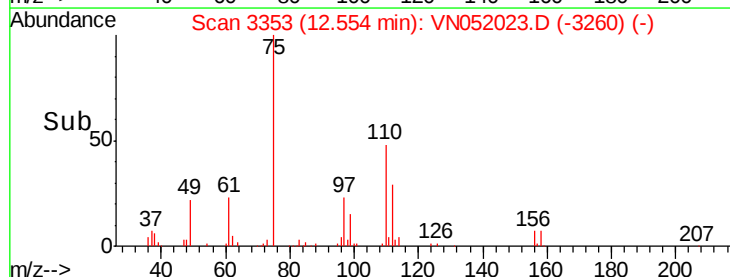
100000

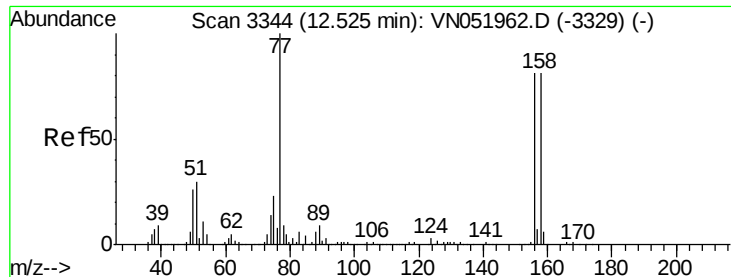
50000

0

12.50 12.55

Time-->





#77

Bromobenzene

Concen: 23.005 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

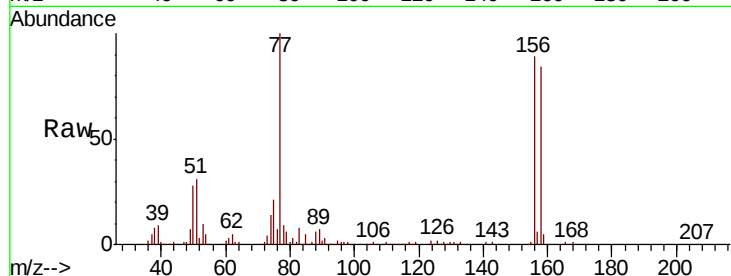
Tot Ion:156 Resp: 313009

Ion Ratio Lower Upper

156 100

77 132.5 71.1 213.3

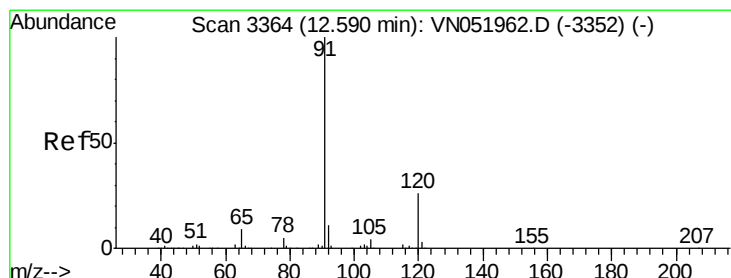
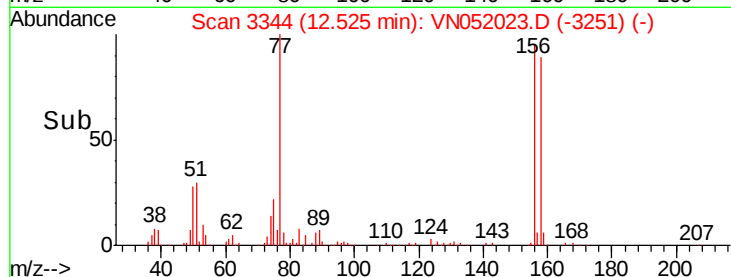
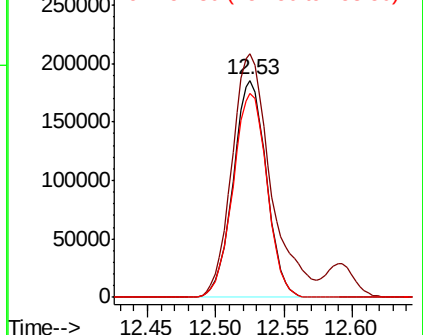
158 96.2 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.737 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052023.D

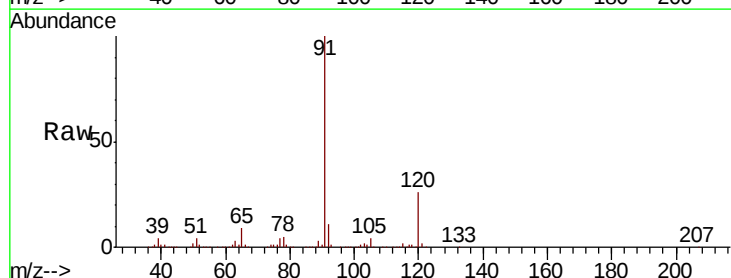
Acq: 26 Oct 2018 13:00

Tgt Ion: 91 Resp: 1156053

Ion Ratio Lower Upper

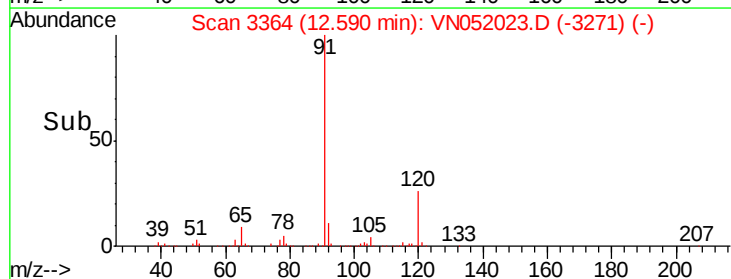
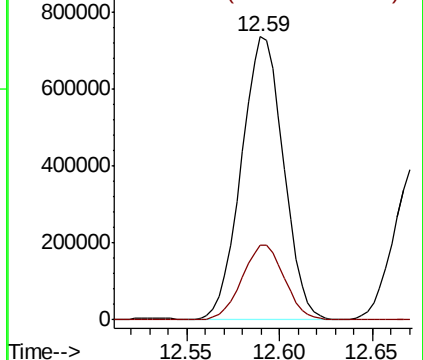
91 100

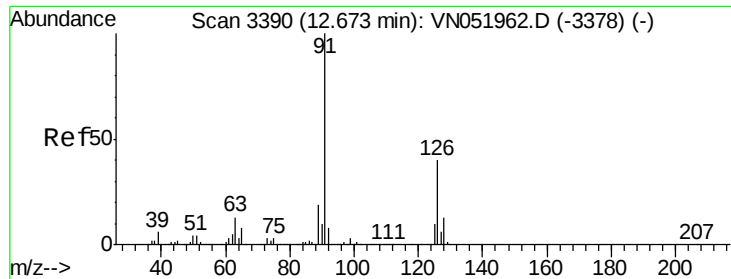
120 26.7 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

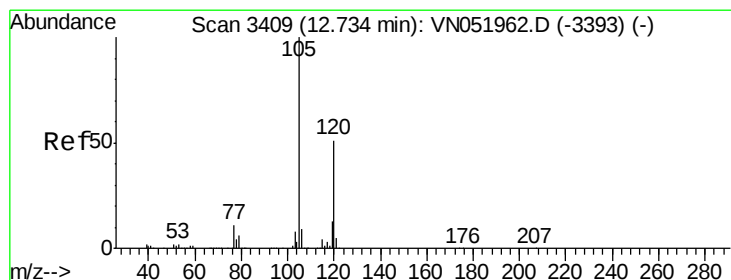
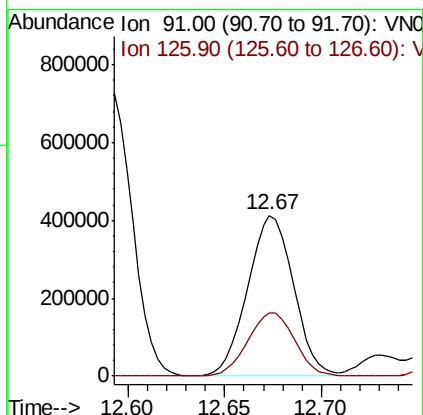
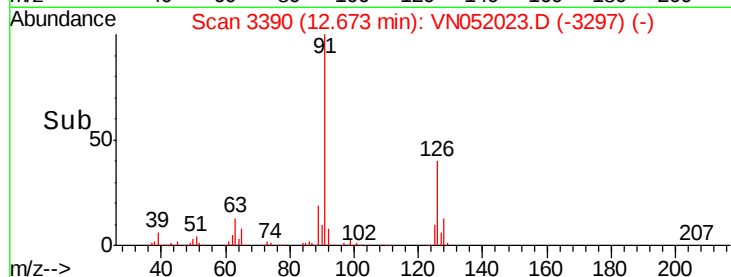
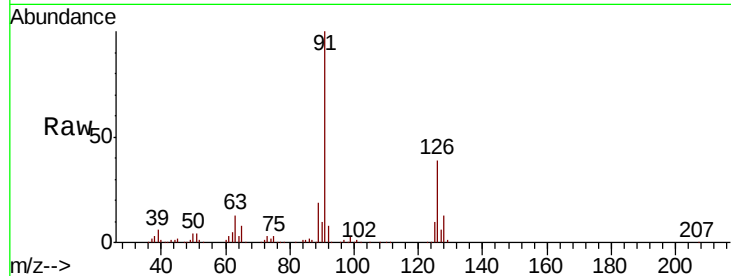




#79
 2-Chlorotoluene
 Concen: 22.006 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

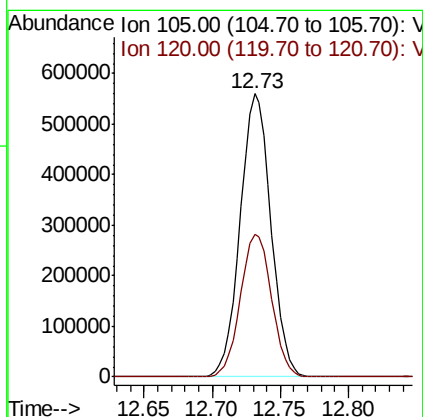
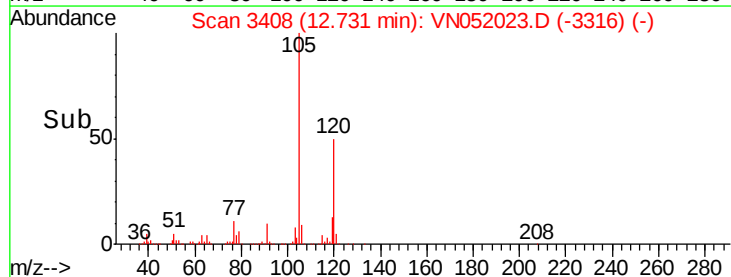
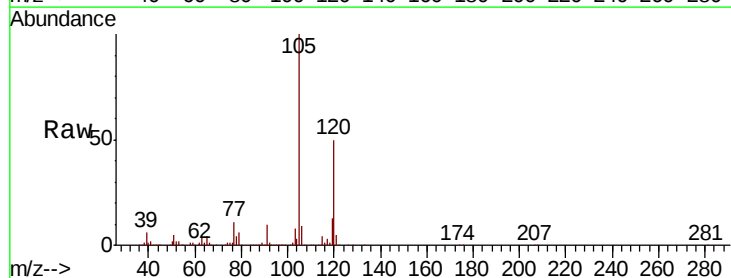
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

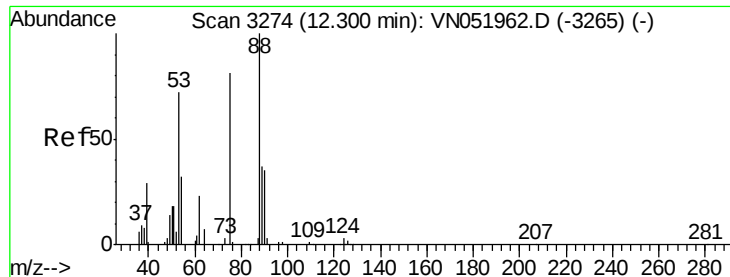
Tot Ion: 91 Resp: 681526
 Ion Ratio Lower Upper
 91 100
 126 40.4 20.1 60.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.079 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion: 105 Resp: 873321
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.522 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

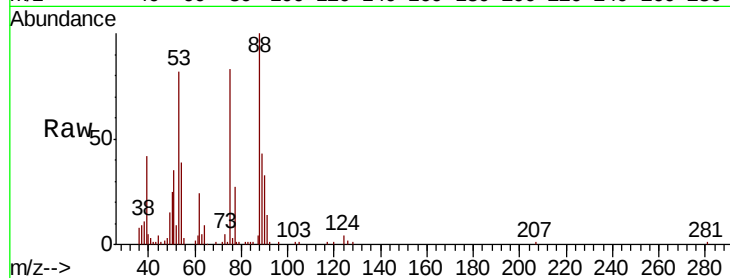
Tot Ion: 75 Resp: 43203

Ion Ratio Lower Upper

75 100

53 93.9 73.5 110.3

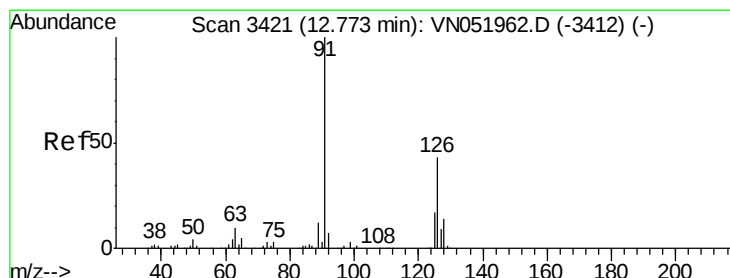
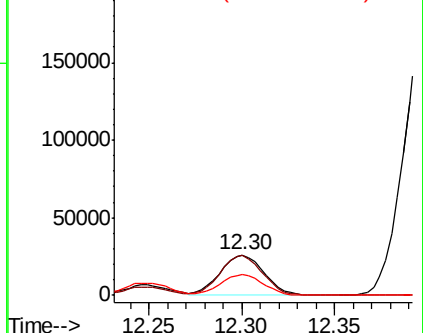
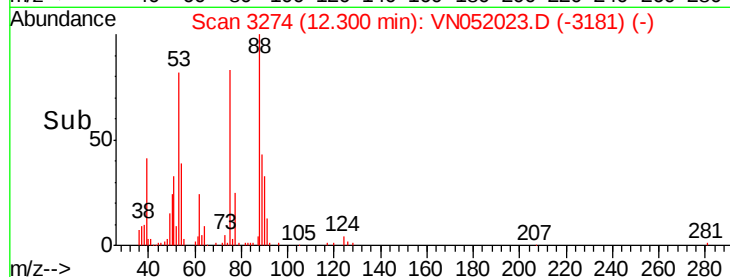
89 50.4 41.6 62.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.563 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052023.D

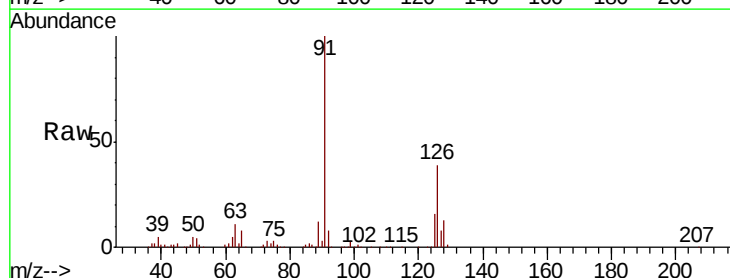
Acq: 26 Oct 2018 13:00

Tgt Ion: 91 Resp: 691427

Ion Ratio Lower Upper

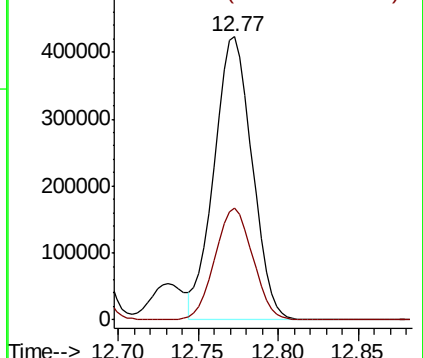
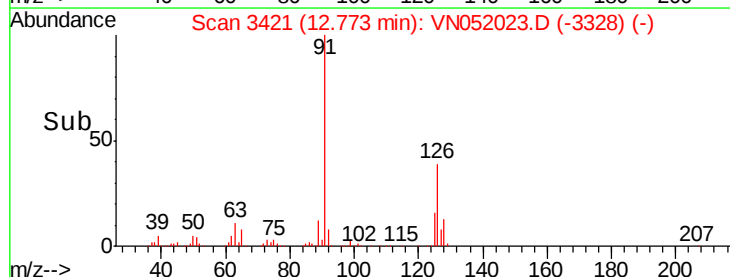
91 100

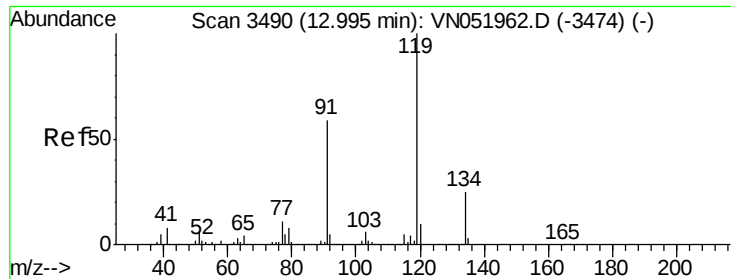
126 39.2 19.7 59.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

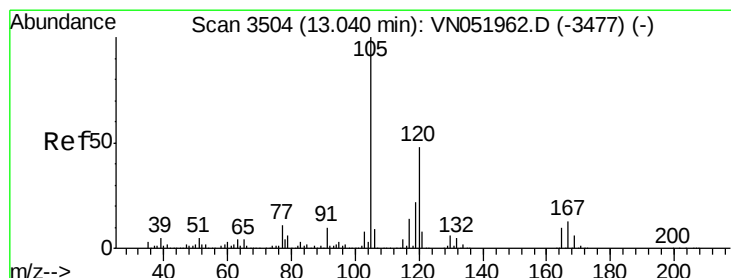
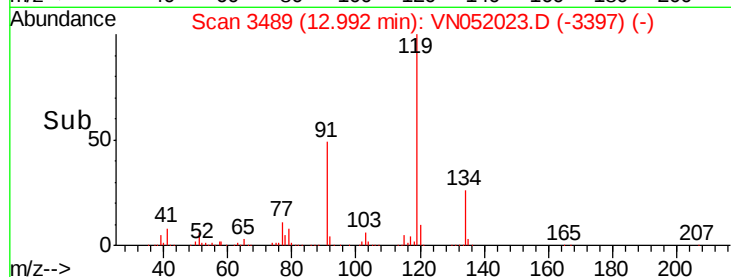
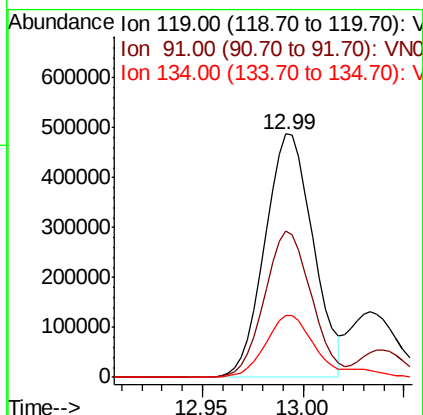
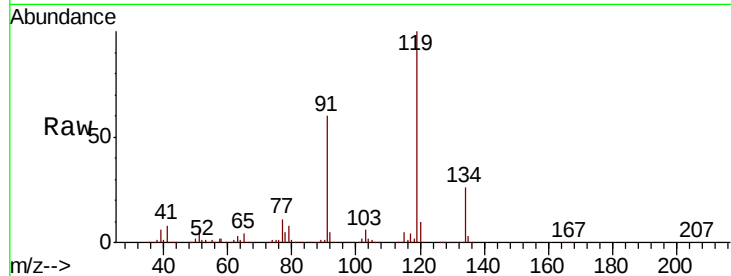




#83
tert-Butylbenzene
Concen: 21.654 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

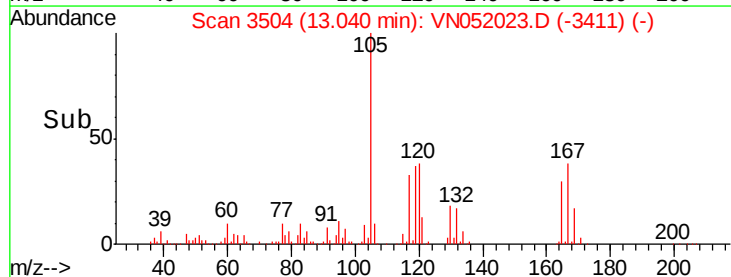
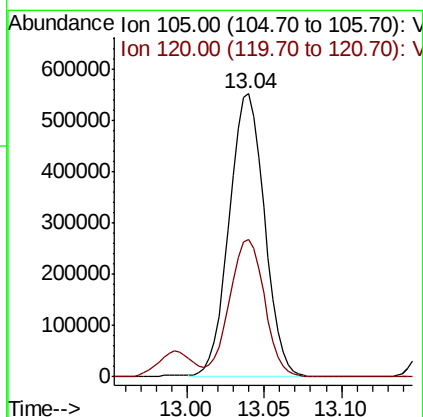
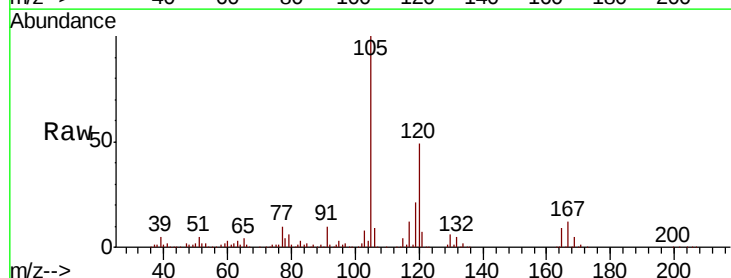
Instrument :
MSVOA_N
ClientSampled :
VN1026WBSD01

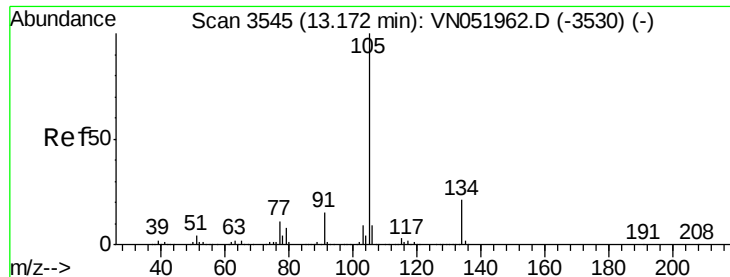
Tot Ion:119 Resp: 810089
Ion Ratio Lower Upper
119 100
91 58.5 28.8 86.4
134 27.7 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 21.460 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:105 Resp: 875561
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.5





#85

sec-Butylbenzene

Concen: 21.234 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

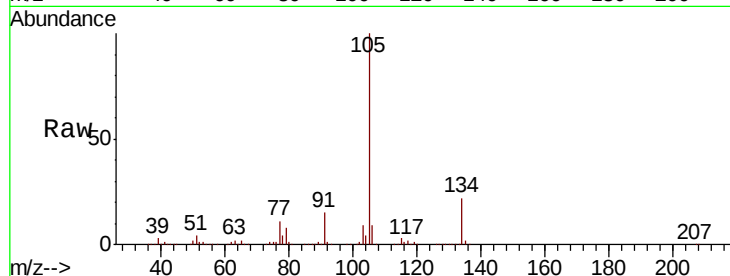
VN1026WBSD01

Tot Ion:105 Resp: 1037495

Ion Ratio Lower Upper

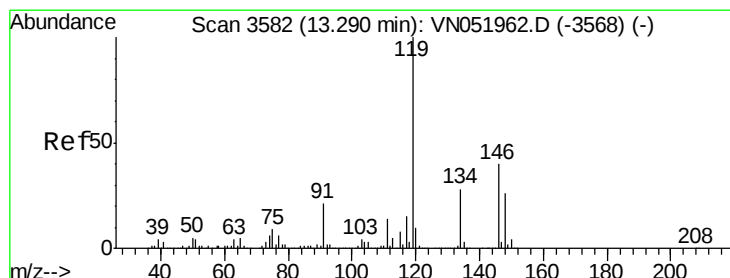
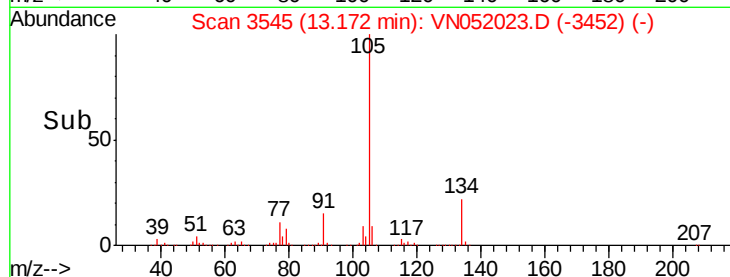
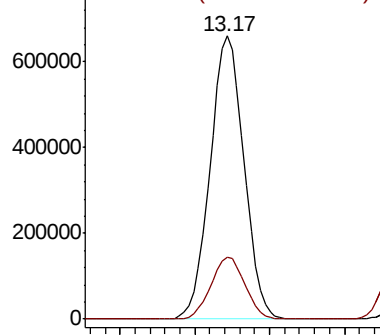
105 100

134 22.0 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.144 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

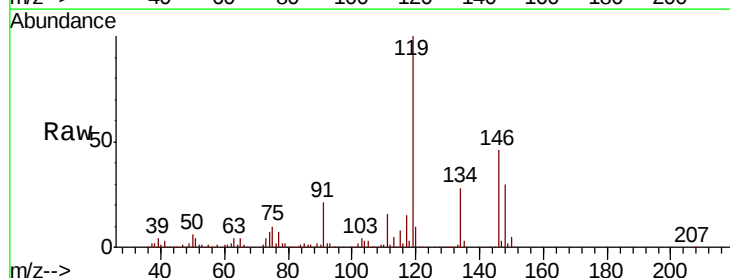
Tgt Ion:119 Resp: 930086

Ion Ratio Lower Upper

119 100

134 28.3 13.9 41.7

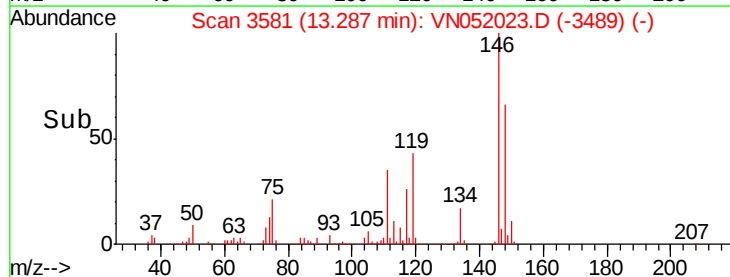
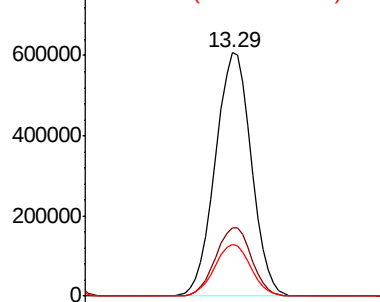
91 21.3 10.6 31.8

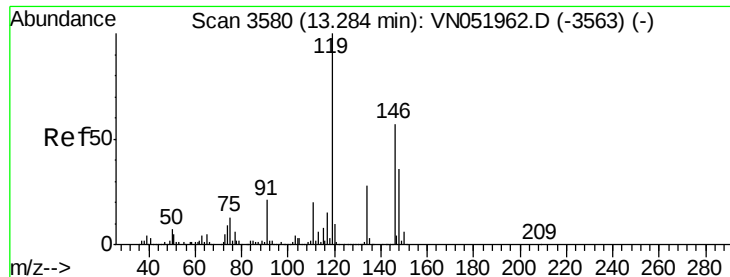


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.735 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

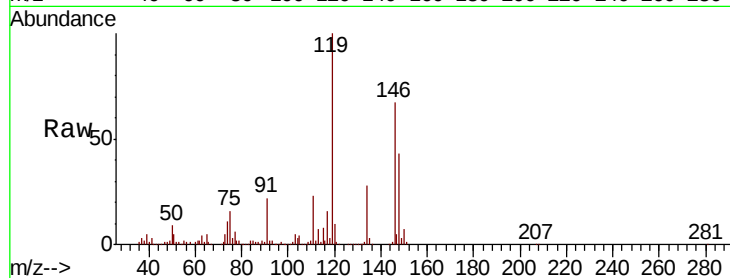
Tot Ion:146 Resp: 520328

Ion Ratio Lower Upper

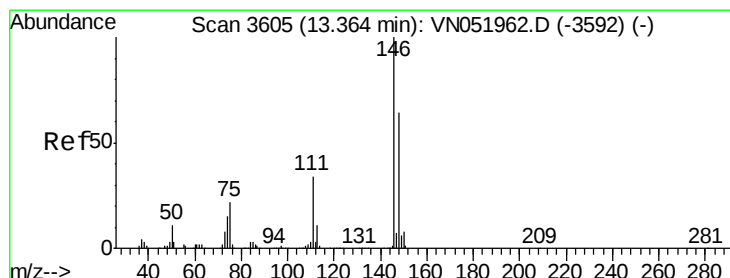
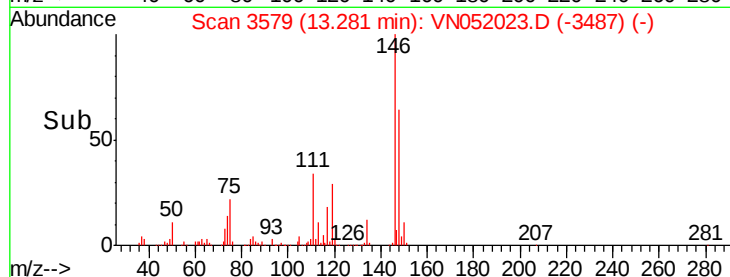
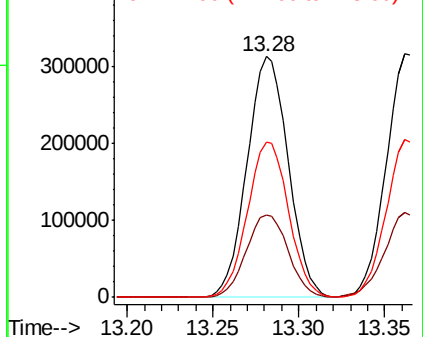
146 100

111 34.8 17.6 52.8

148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.741 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

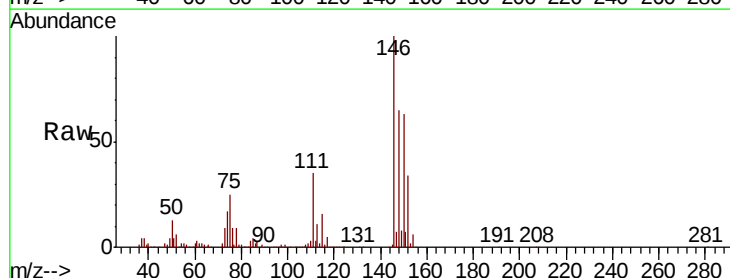
Tgt Ion:146 Resp: 513132

Ion Ratio Lower Upper

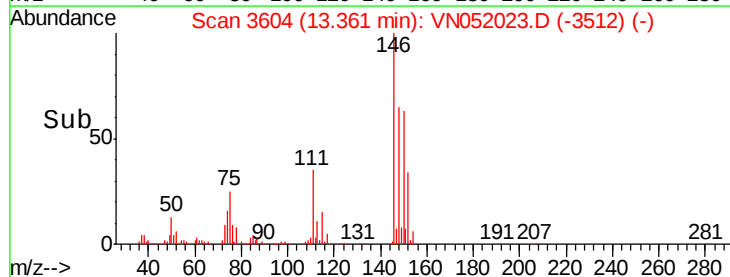
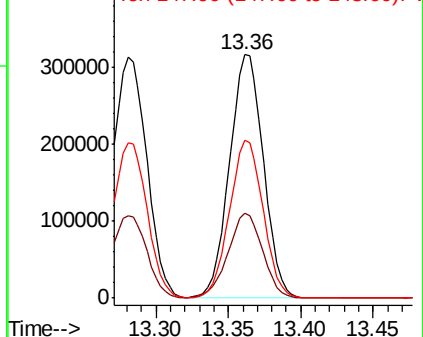
146 100

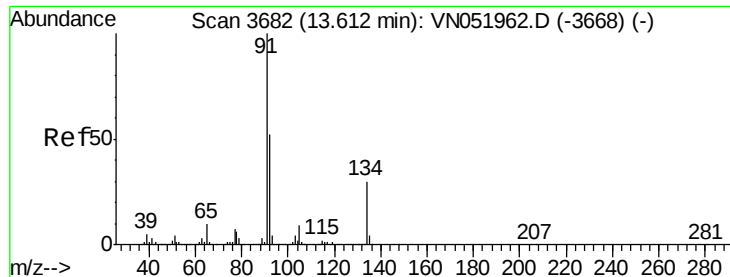
111 35.5 17.3 51.7

148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.524 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

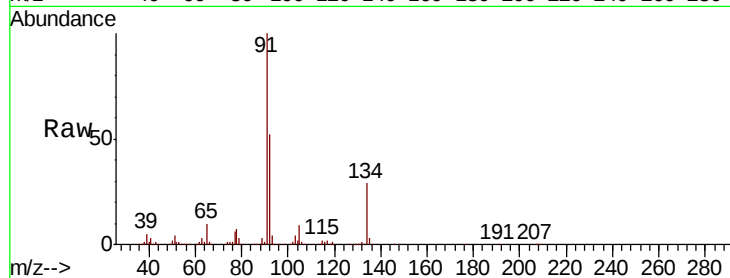
Tot Ion: 91 Resp: 683861

Ion Ratio Lower Upper

91 100

92 51.3 25.9 77.8

134 29.9 15.2 45.6

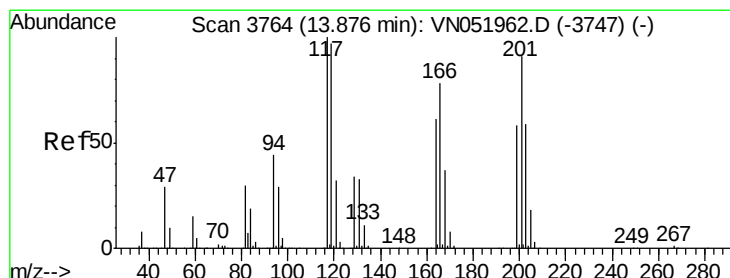
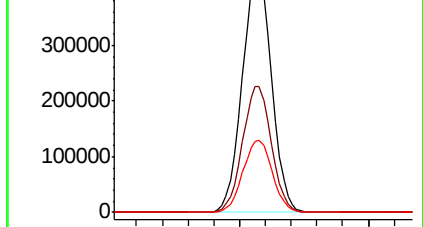
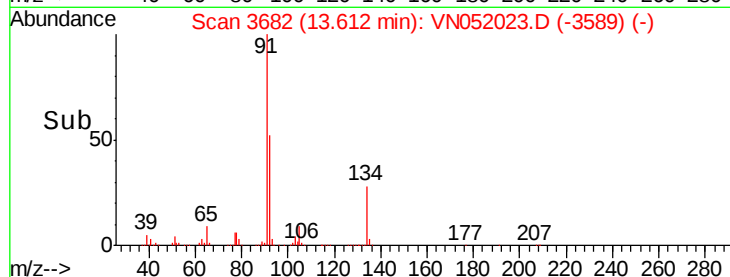


Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 20.602 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052023.D

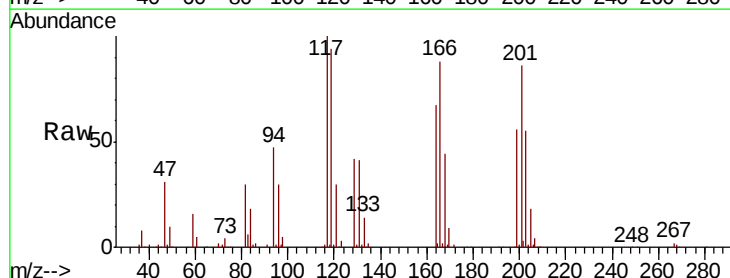
Acq: 26 Oct 2018 13:00

Tgt Ion: 117 Resp: 135013

Ion Ratio Lower Upper

117 100

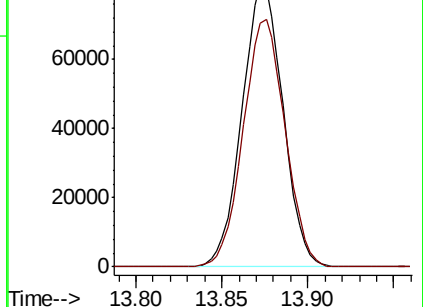
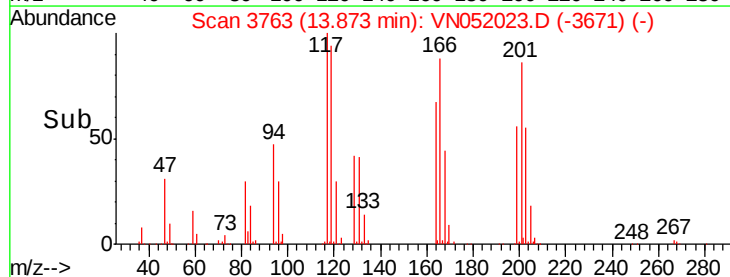
201 89.5 45.6 136.9

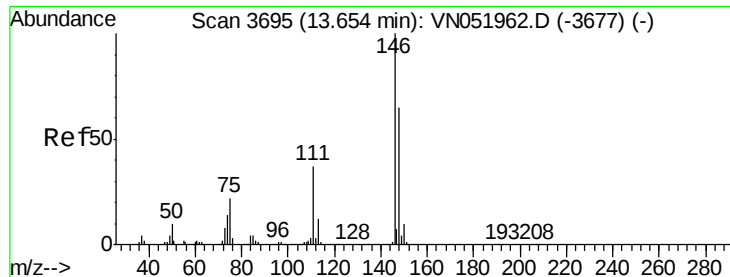


Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.104 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

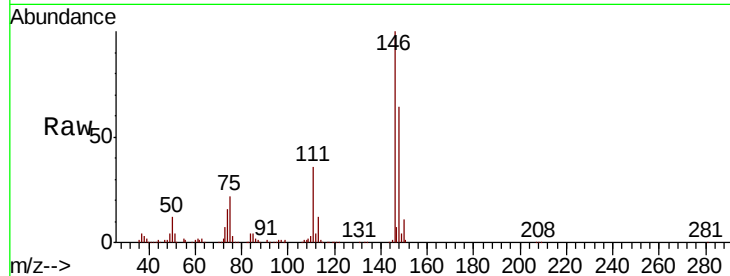
Tot Ion:146 Resp: 488058

Ion Ratio Lower Upper

146 100

111 35.8 18.3 54.9

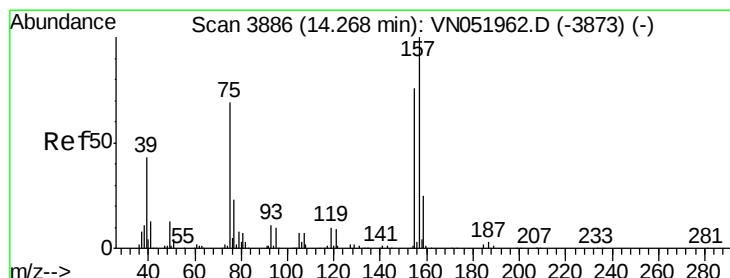
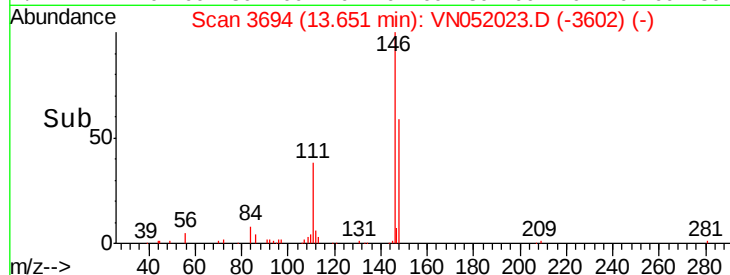
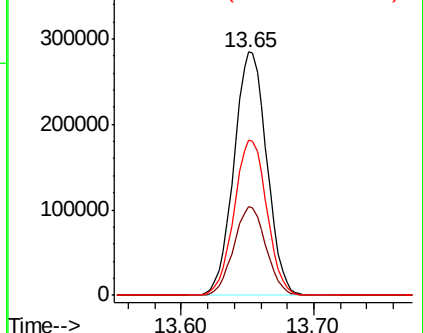
148 63.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.315 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

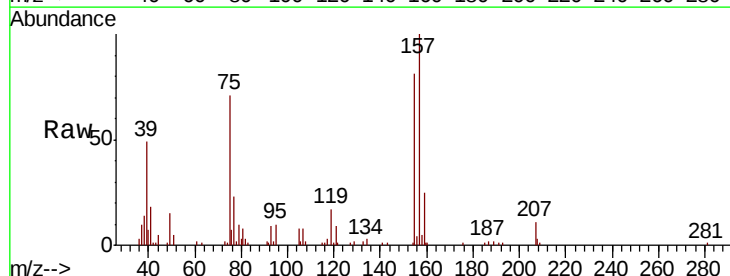
Tgt Ion: 75 Resp: 22390

Ion Ratio Lower Upper

75 100

155 113.3 56.0 167.9

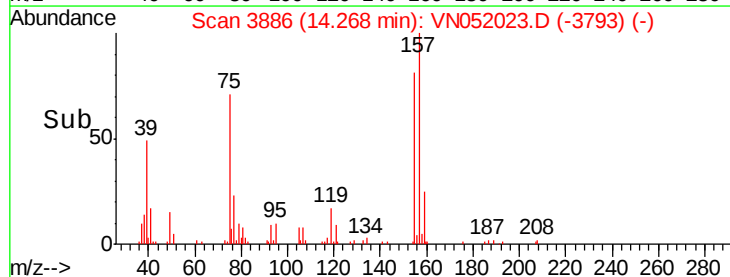
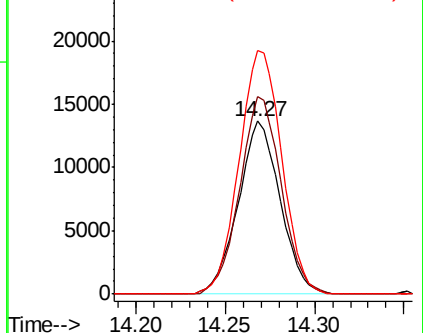
157 142.8 73.9 221.6

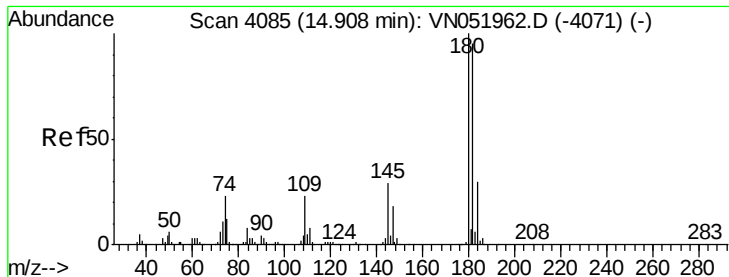


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 12.581 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

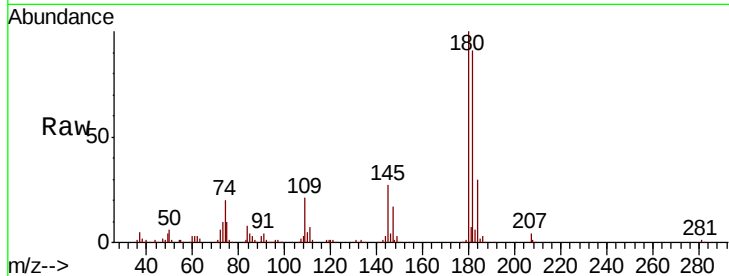
Tot Ion:180 Resp: 180408

Ion Ratio Lower Upper

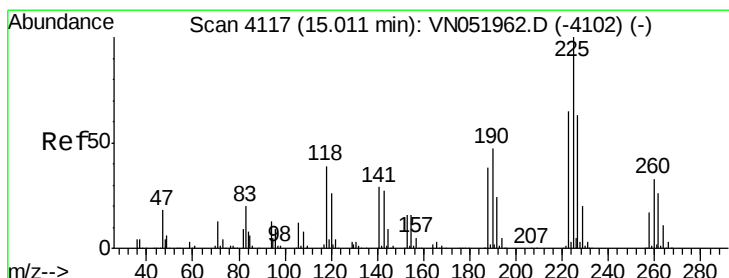
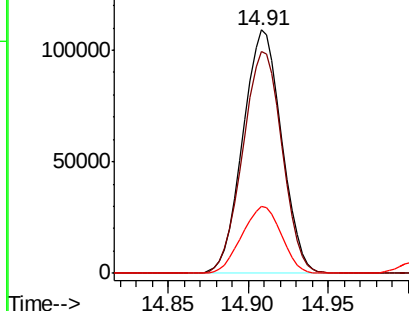
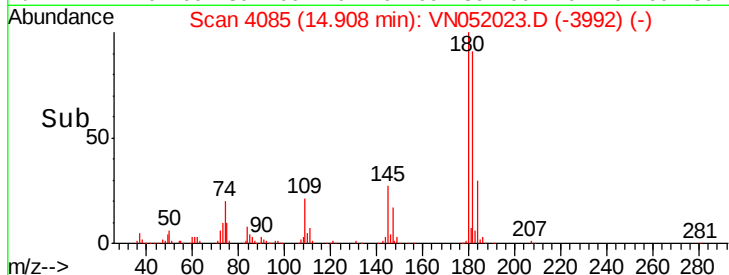
180 100

182 92.6 47.8 143.4

145 28.0 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 15.827 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

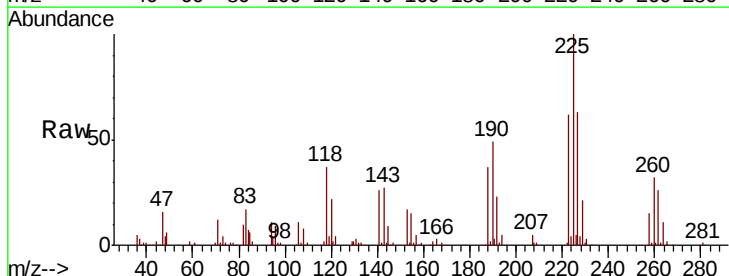
Tgt Ion:225 Resp: 116620

Ion Ratio Lower Upper

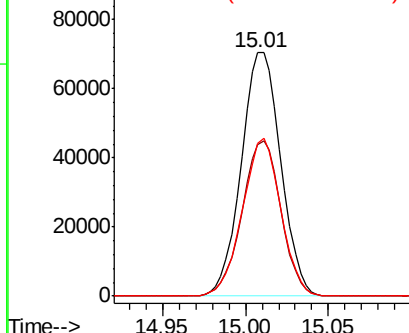
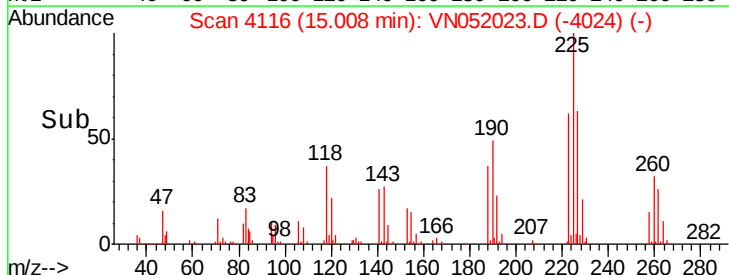
225 100

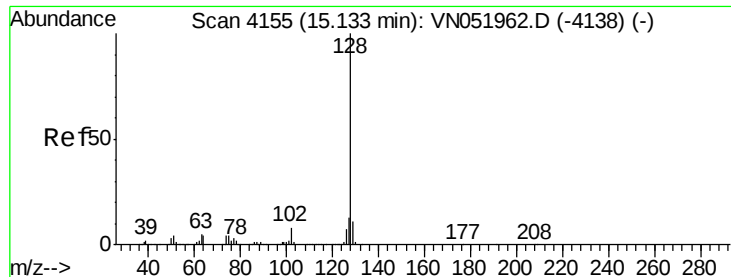
223 62.9 31.8 95.4

227 62.9 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 10.656 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

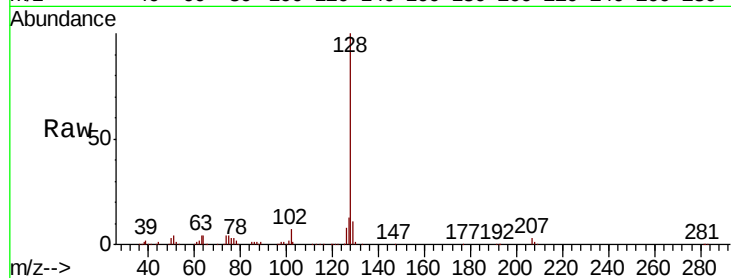
Tot Ion:128 Resp: 331847

Ion Ratio Lower Upper

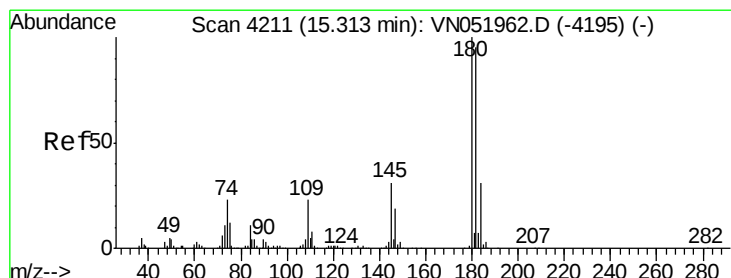
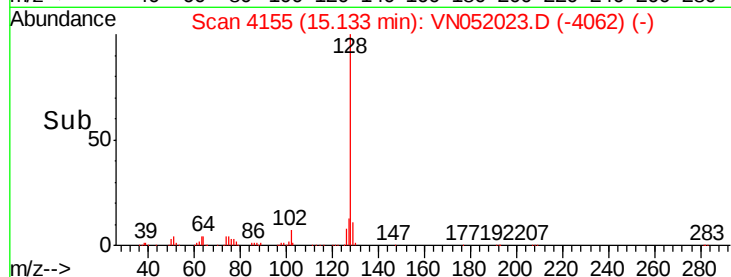
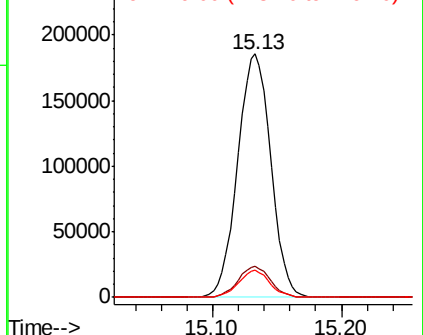
128 100

127 12.5 10.3 15.5

129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.381 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

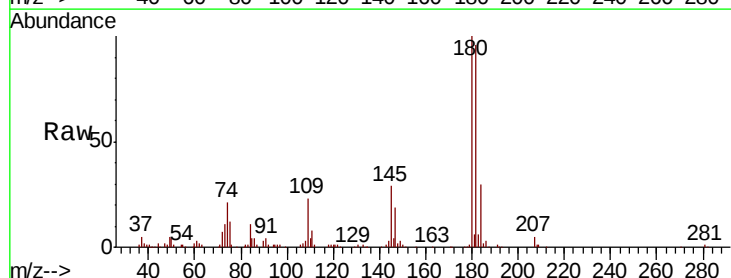
Tgt Ion:180 Resp: 142288

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

145 30.1 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

